

Appendix I

Plume Shell Development

(included on CD only)

TABLE OF CONTENTS

1.0	INTRODUCTION.....	1-1
1.1	Objectives.....	1-1
2.0	METHODS	2-1
2.1	Data Query (MS Access)	2-2
2.2	Transient Groundwater Flow Simulation (Vista-MODFLOW).....	2-2
2.3	Particle Migration (Vista-MODPATH)	2-2
2.4	2-D Contouring in GIS (ArcView)	2-2
2.5	3D Contouring (GMS)	2-3
2.6	Import to Groundwater Vistas Simulation	2-3
2.7	Comparison with Measured Concentrations and Calibration	2-3
3.0	RESULTS.....	3-1
3.1	J-2 Eastern Plume (Perchlorate)	3-1
3.2	J-2 Eastern Plume (RDX).....	3-1
3.3	J-2 Northern Plume (Perchlorate) Un-calibrated.....	3-2
3.4	J-2 Northern Plume (Perchlorate) Calibrated	3-2
3.5	Development of Cleanup Alternatives	3-3
4.0	CONCLUSIONS	4-1

FIGURES

J-2 Range Eastern Plan View of Perchlorate Plume Contours
J-2 Range Eastern Layer-by-Layer Migrated Perchlorate Data
J-2 Range Eastern Perchlorate Extraction Well Comparisons
J-2 Range Eastern Plan View of RDX Plume Contours
J-2 Range Eastern Layer-by-Layer Migrated RDX Data
J-2 Range Eastern RDX Extraction Well Comparisons
J-2 Range Northern Plan View of Un-Calibrated Perchlorate Plume Contours
J-2 Range Northern Layer-by-Layer Migrated Perchlorate Data
J-2 Range Northern Perchlorate (Un-Calibrated) Extraction Well Comparisons
J-2 Range Northern Plan View of Calibrated Perchlorate Plume Color Flood
J-2 Range Northern Perchlorate (Calibrated) Extraction Well Comparisons

TABLES

Table 1	J-2 Range Eastern 2012 Perchlorate Plume Shell Measured & Migrated Data Points
Table 2	J-2 Range Eastern 2012 RDX Measured & Migrated Data Points
Table 3	J-2 Range Northern 2012 Perchlorate Plume Shell Measured & Migrated Data Points

1.0 INTRODUCTION

Existing J-2 Range Eastern and Northern plume shells have more recently been demonstrated to be outdated and unreliable for the prediction of the distribution and magnitude of perchlorate and RDX concentrations throughout the respective plumes (USACE 2012). Plume shells representing current levels of groundwater contamination at the J-2 Range Eastern and Northern areas were redeveloped to facilitate a more reliable prediction of groundwater perchlorate and RDX concentrations for use in evaluating long-term remediation alternatives. Plume shell development utilized all the historic and recent perchlorate and RDX data available for the J-2 Range Eastern and Northern areas from both monitoring wells and profiles. In an effort to develop the most reliable plume shell possible, given the data collected, the existing groundwater flow models for the J-2 Eastern and Northern ranges was used to forward-migrate all previously measured concentrations to insure the most complete use of the data available. The following text summarizes the objectives of the plume shell development and the steps involved, and presents the revised plume shells and comparisons of measured and predicted contaminant concentrations.

1.1 Objectives

The goal of plume shell development for the J-2 Eastern and Northern ranges is to derive a reliable estimate of the magnitude and distribution of perchlorate and RDX concentrations, using all existing monitoring well and profile data, for use in simulating future conditions. This objective has been met by using a flow model to migrate available historic groundwater concentrations of perchlorate and RDX down gradient through the respective aquifer systems and then contouring the migrated concentrations to develop three-dimensional depictions of contamination. The reliability of the newly developed plume shell was evaluated by comparing measured and predicted contamination at each of the existing extraction wells and adjusting in-plume concentrations where necessary.

2.0 METHODS

The plume shell development, as presented here, is the process of using existing historic groundwater quality data to depict the current distribution and magnitude of known perchlorate and RDX plumes. There are generally three distinctly different approaches to determining initial concentrations in a groundwater quality model including 1) applying a source of contamination to a fate and transport model and predicting current conditions that can be compared with recent concentration measurements, 2) using a snapshot of groundwater contamination data to develop a contoured three-dimensional plume and 3) using all historic chemical data and a reliable flow model to determine the current locations of all historic data points for use in developing a contoured three-dimensional plume.

If detailed mass and duration information about a contaminant release is available then simulating a developing plume is a reasonable option but the level of information necessary to develop a reliable plume shell is often not available, as is the case at the J-2 Range. Using a snapshot of chemical data to develop a plume shell is also a straight-forward option, but it is limited in that relatively little data is used and also the contoured plume is independent of any actual or model predicted hydraulics. The option of using forward migrated historic data is considered a superior method for plume shell development and for initiating a chemical concentration field in a groundwater model because it takes advantage of all available data and is developed using realistic hydraulic conditions. While the steps involved in developing a plume shell using forward-migrated data are relatively complex and require the sequential use of multiple software packages, this approach is considered to be the most reliable for use at the J-2 Eastern and Northern ranges and was selected for use at these sites.

Determining the current location of historically measured perchlorate and RDX contamination is a key component and complicating factor in the plume shell development process. To achieve the goal of plume shell development, the previously developed groundwater flow model (USACE, 2012) was used to distribute historic perchlorate and RDX data points, which were then coupled with a set of boundary data points and contoured in three dimensions. Reliability of the developed plume shell was evaluated by comparing measured and predicted extraction and monitoring well concentrations. In cases where the comparison was favorable, the derived plume shell was used as developed and in cases where the comparison was poor, the estimated contaminated concentrations within the plume shell were conservatively adjusted by applying a multiplication factor to 1) increase concentrations and consequently mass throughout the plume, and 2) facilitate a more reliable agreement between measured and predicted extraction well contaminant concentrations. The newly developed plume shells were then used for all simulations associated with the various cleanup alternatives already presented.

The following text and associated figures and table present a detailed explanation of the plume shell development process and the results of the plume shell development for the J-2 Eastern range (perchlorate and RDX) and for the J-2 Northern range (perchlorate).

2.1 Data Query (MS Access)

Perchlorate and RDX concentrations for J-2 range groundwater were queried from the EDMS database, including all historic monitoring well data, which was applied to the mid-screen elevations, and profile data, which was applied to point locations. The locations and times that samples were collected were used to identify where and when particles were released throughout the flow model simulation prior to the prediction of particle and associated contaminant migration. Chemical data reported in EDMS was qualified as being “Normal”, “Estimated”, “Rejected” or “Not-Detected” where “Normal” and “Estimated” values were used as reported, “Rejected” values were dismissed, and “Not-Detected” values were assumed to be 0.35 µg/L for perchlorate and 0.25 µg/L for RDX. The perchlorate data for the J-2 Eastern plume extends from 07 August 2000 through 30 August 2012 and the RDX data for the J-2 Eastern plume extends from 29 August 1997 through 30 August 2012. The perchlorate data for the J-2 Northern plume extends from 03 August 2000 through 31 December 2012.

2.2 Transient Groundwater Flow Simulation (Vista-MODFLOW)

The previously developed MODFLOW groundwater flow model for the J-2 Range plumes was used to simulate hydrologic conditions throughout a time period extending from the earliest water quality measurement to the most recent. All boundary conditions, with the exception of well extraction rates, were held constant throughout the transient simulation. Groundwater extraction rates varied according to the actual measured rates from wells within each respective model domain. The initial head conditions applied to the model were predicted from an initial steady-state simulation representative of the first transient model time-step.

2.3 Particle Migration (Vista-MODPATH)

The development of transient groundwater flow conditions over the time period coincident with the earliest and most recent perchlorate and RDX data points was followed by a particle tracking simulation using the MODPATH particle tracking program. Particle simulations were conducted to determine the recent location of perchlorate and RDX concentrations that were historically measured at various monitoring wells and profile locations. The starting locations and times for the particle simulations were derived from information acquired through EDMS and predicted particle locations were determined for the end of the simulation so that the most recent particle locations and concentrations are known (x, y, z and c). Migrated particle locations and initial concentrations are all presented in the respective Table sections included within this appendix.

2.4 2-D Contouring in GIS (ArcView)

The predicted location and measured concentration data (x, y, z and c) was imported into the ArcView GIS platform and concentrations at ten foot vertical intervals were queried to isolate specific layers of forward migrated perchlorate and RDX concentrations. Concentration contours for each vertical interval were then drawn using 1) the forward-migrated historical concentrations, 2) a map of the suspected source areas, and 3) the previously drawn plumes, as a guide. Contours for perchlorate included 0.35 µg/L, 2 µg/L and 15 µg/L and contours for

RDX included 0.25 µg/L, 0.6 µg /L, 2 µg /L and 6 µg /L. The concentration contours were developed to constrain the perchlorate and RDX plume shell boundaries and to offer some control on the distribution and magnitude of the plume shells. Migrated concentrations outside of the drawn contours were very low or non-detect and were removed from the dataset. The final step in 2D contouring was to transform each of the contours into sets of equally spaced points (x, y, z and c). Migrated particle locations and initial concentrations (perchlorate) or decayed concentrations (RDX), along with contours developed using this information, are all illustrated in the respective Table sections included within this appendix.

2.5 3D Contouring (GMS)

The significant effort completed to this point resulted in a lengthy set of data points (x, y, z and c) representing both the forward-migrated measured data and a much larger set of boundary contour points. A composite of this set of points was imported into the GMS groundwater modeling software package as a set of “scatter points” and then contoured using the inverse distance weighted (IDW) option and the Constant (Shepard’s Method), the 64 nearest points for correlation, and a relatively small vertical anisotropy ratio of 3%. This 3D contouring resulted in a dense network of plume concentrations that were all assigned to the mid-points of GMS grid cells that were developed to be marginally smaller than the grid cells used in the existing Groundwater Vistas flow model. These contoured contaminant concentrations, within the footprint of the outermost concentration contour, were then ultimately exported as a set of points (x, y, z and c) for import to the Groundwater Vistas modeling package.

2.6 Import to Groundwater Vistas Simulation

Grid centered points (x, y, z and c) exported from the GMS groundwater modeling software were imported to Groundwater Vistas to provide the starting perchlorate and RDX concentrations to the model for simulation using MODFLOW-Surfact. The Groundwater Vistas model was then used to simulate perchlorate and RDX concentrations throughout the model domain for a period extending from the respective plume shell dates through September 2013 under current conditions and continuing for a 100 year period from October 2013 through September 2113 under a variety of alternative cleanup conditions. The perchlorate and RDX plume shell for the J-2 Eastern range represents conditions on October 2012 and the perchlorate plume shell for the J-2 Northern range represents conditions on January 2013.

2.7 Comparison with Measured Concentrations and Calibration

The reliability of the newly developed plume shells was evaluated by comparing recently measured and predicted perchlorate and RDX concentrations at respective extraction wells. This comparison was completed as a means of averaging out all the measured and often contradictory perchlorate and RDX concentrations and to account for elevated concentrations in areas without direct measurements. The extraction well concentrations represent an average of all incoming contaminant diluted by the groundwater extraction rate and while these concentrations cannot directly be used to determine the reliability of point-by-point concentrations within the plume, they can be used to quantify whether the concentrations in the immediate vicinity of the extraction wells are reliable. This approach was taken because the

distributed sources and the episodic nature of contaminant releases had produced a very heterogeneous sequence of intermingled plumes rather than a larger cohesive plume and, given the relatively small number of in-plume wells in the monitoring network, the general distribution of contamination is far better understood than the magnitude of contamination. Furthermore, it is presumed that if the concentrations in the immediate vicinity of the extraction wells are reliable, then the concentrations within the other measured portions of the plume are also reliable. This is believed to be true whether or not the point-by-point concentrations are in close agreement; particularly, since there are relatively few points within the plumes to compare.

If concentrations in the immediate vicinity of the extraction well were predicted to be either too high or low, it was assumed that this over or under prediction is consistent throughout the remainder of the measured plume. Thus it follows that, as a conservative approximation, plume shell concentrations can be calibrated by uniformly adjusting concentrations either higher or lower, as the case may be, to bring measured and predicted concentrations at the extraction wells into close agreement and to better approximate the total mass of contaminant represented by the plume shell. This calibration step was not necessary for either the perchlorate or RDX plume shells developed for the J-2 Eastern plume but was necessary for the perchlorate plume shell developed for the J-2 Northern plume. Uniformly adjusting increasing or decreasing the plume shell concentrations is considered to be a conservative form of calibration since, as already indicated, the discrepancy is believed to be due more to a lack of understanding of the magnitude of contaminant concentrations rather than the general distribution of concentration. If the approach were instead to simply adjust contaminant concentrations in the immediate vicinity of the extraction wells, in order to match measured and predicted concentrations, then likely discrepancies in other portions of the plume shell would not be addressed and while the extraction well comparison would be favorable the contaminant mass represented by the plume mass would likely be much less reliable.

3.0 RESULTS

Historical water quality data was used to develop updated perchlorate and RDX plume shells at the J-2 range for use in simulating groundwater cleanup options. The existing groundwater flow models for the J-2 Eastern and Northern areas were used to spatially and temporally migrate historical concentrations forward to facilitate the development of concentration contours that were ultimately used to develop the respective three-dimensional plume shells. Measured concentration data from the three extraction wells in the J-2 Eastern (J2EW0004, J2EW0005, and J2EW0006) and the three extraction wells in the J-2 Northern (J2EW0001, J2EW0002, and J2EW0003) plumes were compared with predicted concentrations to determine the reliability of the plume shell at representing concentrations within the model domain. Unlike the mass values indicated in Section 10 of the J-2 RI/FS, which are indicative of the perchlorate and RDX mass at the start of the modeling alternative simulations (01 October 2013), the mass values indicated here are indicative of the perchlorate and RDX mass represented by the plume shells at their respective development dates.

3.1 J-2 Eastern Plume (Perchlorate)

The perchlorate plume developed for the J-2 Eastern range is segmented into six separate lobes including lobes upgradient of each extraction well (J2EW0004, J2EW0005, and J2EW0006), a relatively small lobe downgradient of the most downgradient extraction well (J2EW0006) and two small lobes, located northwest and south of the plume immediately upgradient of the mid-plume extraction well (J2EW0005). The overall centerline length of the perchlorate plume, as defined by the 2 µg/L contour, is approximately 4,250 feet, extending from the source area downgradient to approximately 180 feet upgradient of extraction well J2EW0006 and the plume is approximately 1,700 feet at its widest point. The areal extent of contamination is determined to be 116 acres at a concentration greater than 0.35 µg/L, 59 acres at a concentration greater than 2 µg/L, and 9.5 acres at a concentration greater than 15 µg/L.

The predicted mass of the perchlorate in the plume shell is determined to be 26.1 lbs at a concentration greater than 0.35 µg/L and 21.3 lbs at a concentration greater than 2 µg/L. The uppermost elevation of the perchlorate plume is approximately 55 feet msl just downgradient of the source area and the lowest elevation is approximately -165 feet msl downgradient of extraction well J2EW0006. Predicted extraction well perchlorate concentrations at the J-2 Eastern range indicated that the plume shell was able to reliably replicate measured concentrations and no calibration of the plume shell was required.

3.2 J-2 Eastern Plume (RDX)

The RDX plume developed for the J-2 Eastern range is segmented into four separate lobes including lobes upgradient of each extraction well (J2EW0004, J2EW0005, and J2EW0006), and a lobe downgradient of the most downgradient extraction well (J2EW0006). The overall centerline length of the RDX plume, as defined by the 0.60 µg/L contour, is approximately 5,800 feet, extending from the source area downgradient to approximately 1,650 feet downgradient of extraction well J2EW0006 and the plume is approximately 1,150 feet at its widest point. The

areal extent of contamination is determined to be 103 acres at a concentration greater than 0.25 µg/L, 48 acres at a concentration greater than 0.6 µg/L, 17 acres at a concentration greater than 2 µg/L, and 3.6 acres at a concentration greater than 6 µg/L.

The predicted mass of the RDX in the plume shell is determined to be 4.3 lbs at a concentration greater than 0.25 µg/L and 2.7 lbs at a concentration greater than 0.6 µg/L. The uppermost elevation of the RDX plume is approximately 45 feet msl just downgradient of the source area and the lowest elevation is approximately -155 feet msl in the vicinity of extraction well J2EW0006. Predicted extraction well RDX concentrations at the J-2 Eastern range indicated that the plume shell was able to reliably replicate measured concentrations and no calibration of the plume shell was required.

3.3 J-2 Northern Plume (Perchlorate) Un-calibrated

The un-calibrated perchlorate plume developed for the J-2 Northern range is segmented into eleven separate lobes including lobes upgradient of and on each side of extraction well J2EW0001, upgradient of extraction wells J2EW0002 and J2EW0003, and downgradient of extraction well J2EW0003. The perchlorate plume also includes a small lobe located west of extraction well J2EW0003 and a larger lobe east of extraction well J2EW0002. The overall centerline length of the perchlorate plume, as defined by the 2 µg/L contour, is approximately 8,100 feet, extending from the source area downgradient to approximately 2,750 feet downgradient of extraction well J2EW0003 and the plume is approximately 850 feet at its widest point. The areal extent of contamination is determined to be 87 acres at a concentration greater than 0.35 µg/L, 31 acres at a concentration greater than 2 µg/L, and 2 acres at a concentration greater than 15 µg/L.

The predicted mass of the perchlorate in the plume shell is determined to be 6.4 lbs at a concentration greater than 0.35 µg/L and 3.5 lbs at a concentration greater than 2 µg/L. The uppermost elevation of the perchlorate plume is approximately 35 feet msl just downgradient of the source area and the lowest elevation is approximately -165 feet msl upgradient of extraction well J2EW0001. Predicted extraction well concentrations at the J-2 Northern range indicated that the plume shell was not able to reliably replicate measured concentrations and that the plume shell required calibration in order to be useful. The measured extraction well perchlorate concentrations were a factor of approximately 5 greater than the predicted concentrations and it was determined that the application of a multiplication factor of 5 was required to increase concentrations of the entire perchlorate plume. This increase caused the measured and predicted extraction well concentrations to be in close agreement and is a conservative approximation of the likely mass of perchlorate in the overall plume shell.

3.4 J-2 Northern Plume (Perchlorate) Calibrated

The calibrated perchlorate plume developed for the J-2 Northern range is segmented into seven separate lobes including upgradient and in the vicinity of extraction well J2EW0001, upgradient of extraction wells J2EW0002 and J2EW0003, and downgradient of extraction well J2EW0003. The perchlorate plume also includes a small lobe located west of extraction well J2EW0003 and a larger lobe east of extraction well J2EW0002. The fewer number of lobes in the calibrated

perchlorate plume is a result of the plume footprint expanding as concentrations were increased and smaller lobes overlapped to form larger and fewer lobes. The overall centerline length of the perchlorate plume, as defined by the 2 µg/L contour, is approximately 8,450 feet, extending from the source area downgradient to approximately 2,900 feet downgradient of extraction well J2EW0003 and the plume is approximately 1,000 feet at its widest point. The areal extent of contamination is determined to be 101 acres at a concentration greater than 0.35 µg/L, 82 acres at a concentration greater than 2 µg/L, and 20 acres at a concentration greater than 15 µg/L.

The predicted mass of the perchlorate in the plume shell is determined to be 29.3 lbs at a concentration greater than 0.35 µg/L and 26.8 lbs at a concentration greater than 2 µg/L. The uppermost elevation of the perchlorate plume remains at approximately 35 feet msl just downgradient of the source area and the lowest elevation is approximately -165 feet msl upgradient of extraction well J2EW0001. Predicted extraction well concentrations at the J-2 Northern range indicated that the plume shell was much more reliably able to replicate measured concentrations.

3.5 Development of Cleanup Alternatives

Five simulations were developed for each plume shell to provide information necessary to evaluate and select a reliable, cost-effective cleanup alternative. The primary difference from one simulation to the next was the extraction rate at the existing wells through the 100 year simulation. In the case of the 10 year scenarios, additional extraction wells were added to the simulation to reduce concentrations in the core of the plume(s) more rapidly. The following five alternatives were simulated and results summarized in a comparison table.

- Alternative 1 – No Further Action
- Alternative 2 – Monitored Natural Attenuation
- Alternative 3 – Current Extraction Rate Conditions
- Alternative 4 – Optimized Extraction Rate Conditions
- Alternative 5 – 10 Year Cleanup Extraction Rate Conditions

The previously described perchlorate and RDX plume shells were applied by initiating simulations starting on 01 October 2012, in the case of the J-2 Eastern plume shells and on 01 January 2013, in the case of the J-2 Northern plume shell. Each of the five alternative cleanup simulations was run from the starting point of the representative plume shell to 30 September 2013, using current extraction rates, and from that point forward for a period of 100 years using modified extraction rates.

4.0 CONCLUSIONS

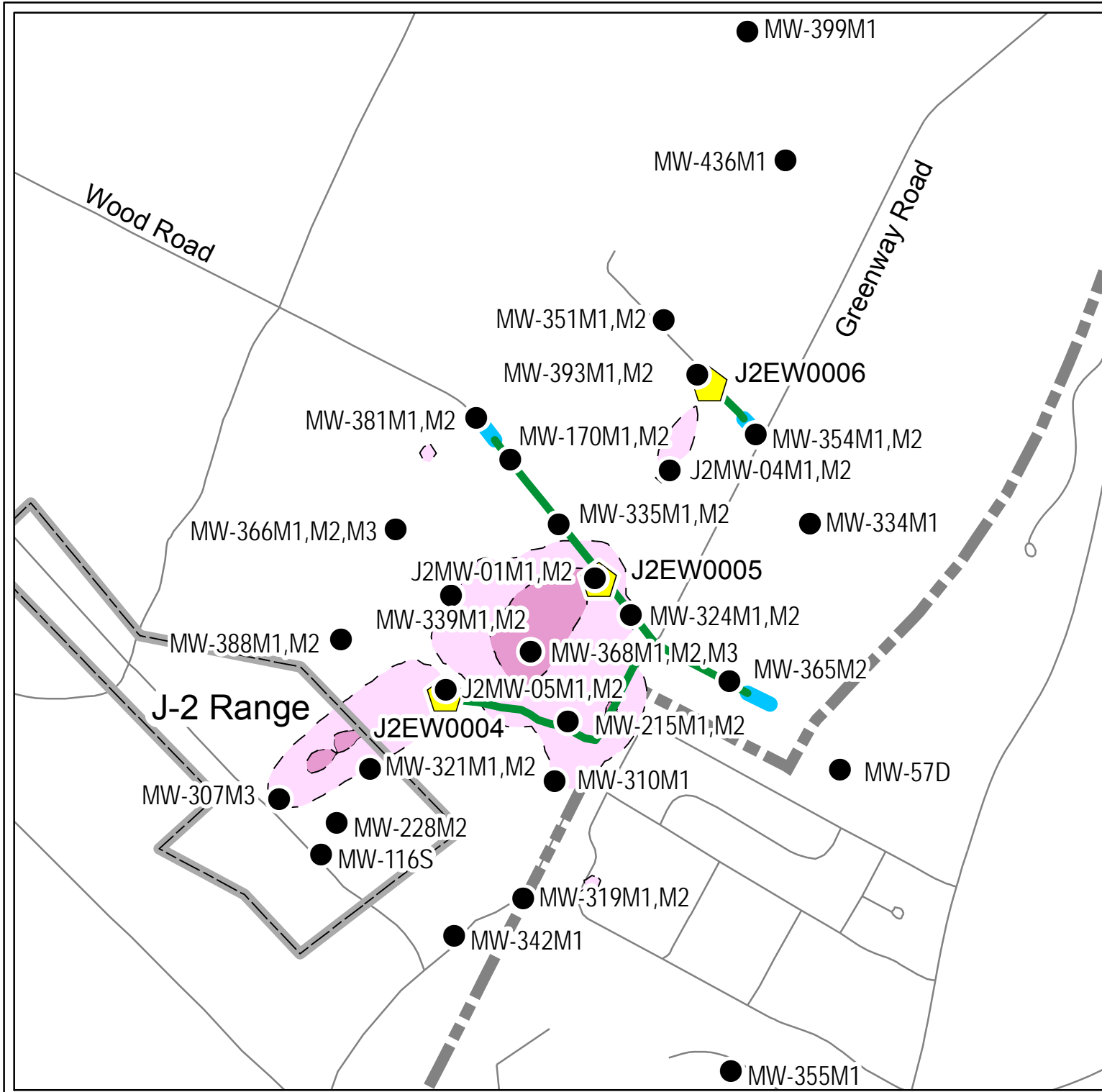
The plume shell development process presented in this appendix is considered to be a reliable means of determining the lateral and vertical extents, and to a lesser extent the magnitude of concentrations, throughout the respective plumes. The existing flow model used to forward-migrate the existing perchlorate and RDX data through the aquifers has been shown to effectively predict average hydraulic conditions and the process of migrating historic perchlorate and RDX data to facilitate a layer-by-layer contouring of data made the best use of existing information. While the plume-wide distribution of profile and monitoring well data tends to better define the extent of contamination, rather than the magnitude of contamination, the calibration of perchlorate concentrations during the development of the J-2 Northern range plume shell was not an unexpected adjustment and the calibrated plume is considered to be conservative depiction of the existing plume. The plume shells developed and presented here are considered to be reasonable depictions of the respective plumes and, in spite of the relatively limited data available to characterize the magnitude of concentrations throughout the heterogeneous plumes, are believed to be suitable for use in evaluating cleanup alternatives.

FIGURES AND TABLES

Appendix I

J2 Eastern: Perchlorate Plume Shell Development

Figures



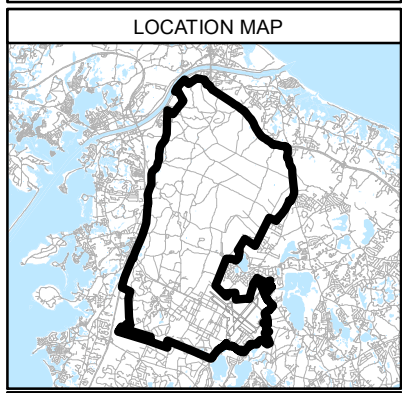
LEGEND

- Monitoring Well
- ⬡ Extraction Well
- Infiltration Trench
- Effluent Piping
- - - J-2 Range Boundary
- ▬ MMR Boundary

Perchlorate Detections

- 2-15 g/L
- 15-200 g/L

Plumes: Perchlorate (Revised Oct 2012)




NOTES & SOURCES


Map Coordinate System: NAD83 UTM Zone 19N Meters
Basemap data from US Geological Survey 7 1/2 minute
Topographic Maps: Source: MassGIS

TITLE

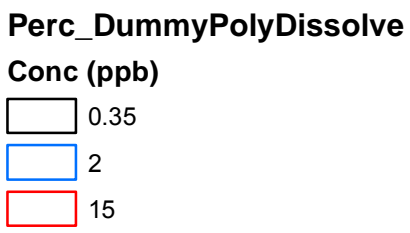
J-2 Range Eastern Perchlorate
Plume and Current Chemical
Monitoring Network

0 1,000 Feet



 US Army Corps
of Engineers
New England District

M:\MMR\2013\J2RIFS\Figures\Fig4-4_040813.pdf
M:\MMR\2013\J2RIFS\MXDs\Fig4-4_040813.mxd
April 8, 2013 DWN: MTW CHKD: KJH



J-2 Range Eastern 2012
Perchlorate Plume Shell

Plan View Plume Contours





Perc Contours

Upper and Lower Limits

Conc (ppb)

0.35

2

15

Perc Points Used

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

Perc Points Deleted

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: 50 to 60 feet msl



US Army Corps
of Engineers





Perc Contours

Upper and Lower Limits
Conc (ppb)
0.35
2
15

Perc Points Used
Conc (ppb)

0.01 - 0.35
0.36 - 2.00
2.01 - 15.00
15.01 - 100.00

Perc Points Deleted
Conc (ppb)

0.01 - 0.35
0.36 - 2.00
2.01 - 15.00
15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: 40 to 50 feet msl





Perc Contours

Upper and Lower Limits
Conc (ppb)
0.35
2
15

Perc Points Used
Conc (ppb)

0.01 - 0.35
0.36 - 2.00
2.01 - 15.00
15.01 - 100.00

Perc Points Deleted
Conc (ppb)

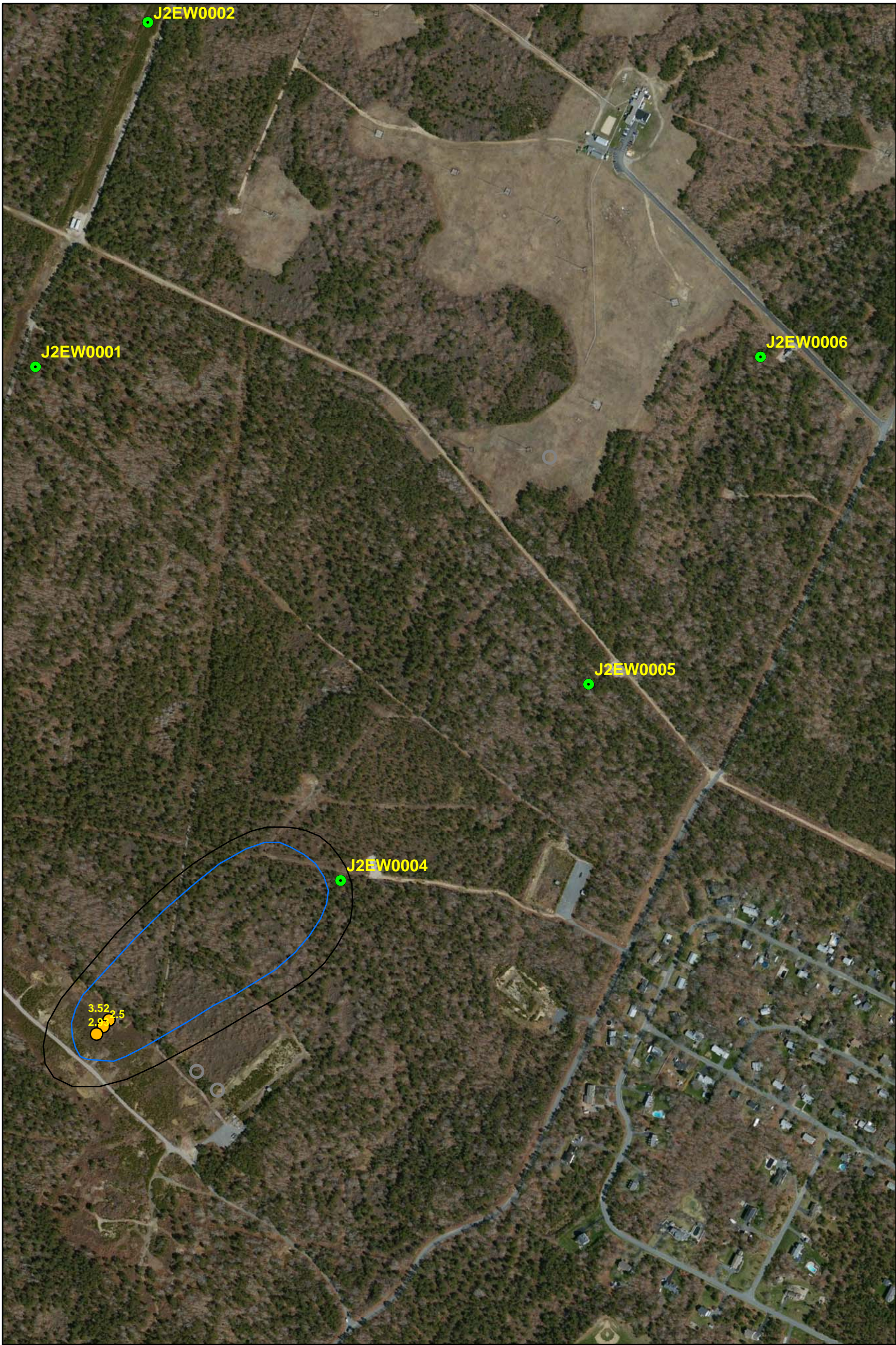
0.01 - 0.35
0.36 - 2.00
2.01 - 15.00
15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: 30 to 40 feet msl





Perc Contours

Upper and Lower Limits

Conc (ppb)

0.35

2

15

Perc Points Used

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

Perc Points Deleted

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: 20 to 30 feet msl



US Army Corps
of Engineers





Perc Contours

Upper and Lower Limits
Conc (ppb)
0.35
2
15

Perc Points Used

Conc (ppb)
0.01 - 0.35
0.36 - 2.00
2.01 - 15.00
15.01 - 100.00

Perc Points Deleted

Conc (ppb)
0.01 - 0.35
0.36 - 2.00
2.01 - 15.00
15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: 10 to 20 feet msl





Perc Contours

Upper and Lower Limits

Conc (ppb)

0.35

2

15

Perc Points Used

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

Perc Points Deleted

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

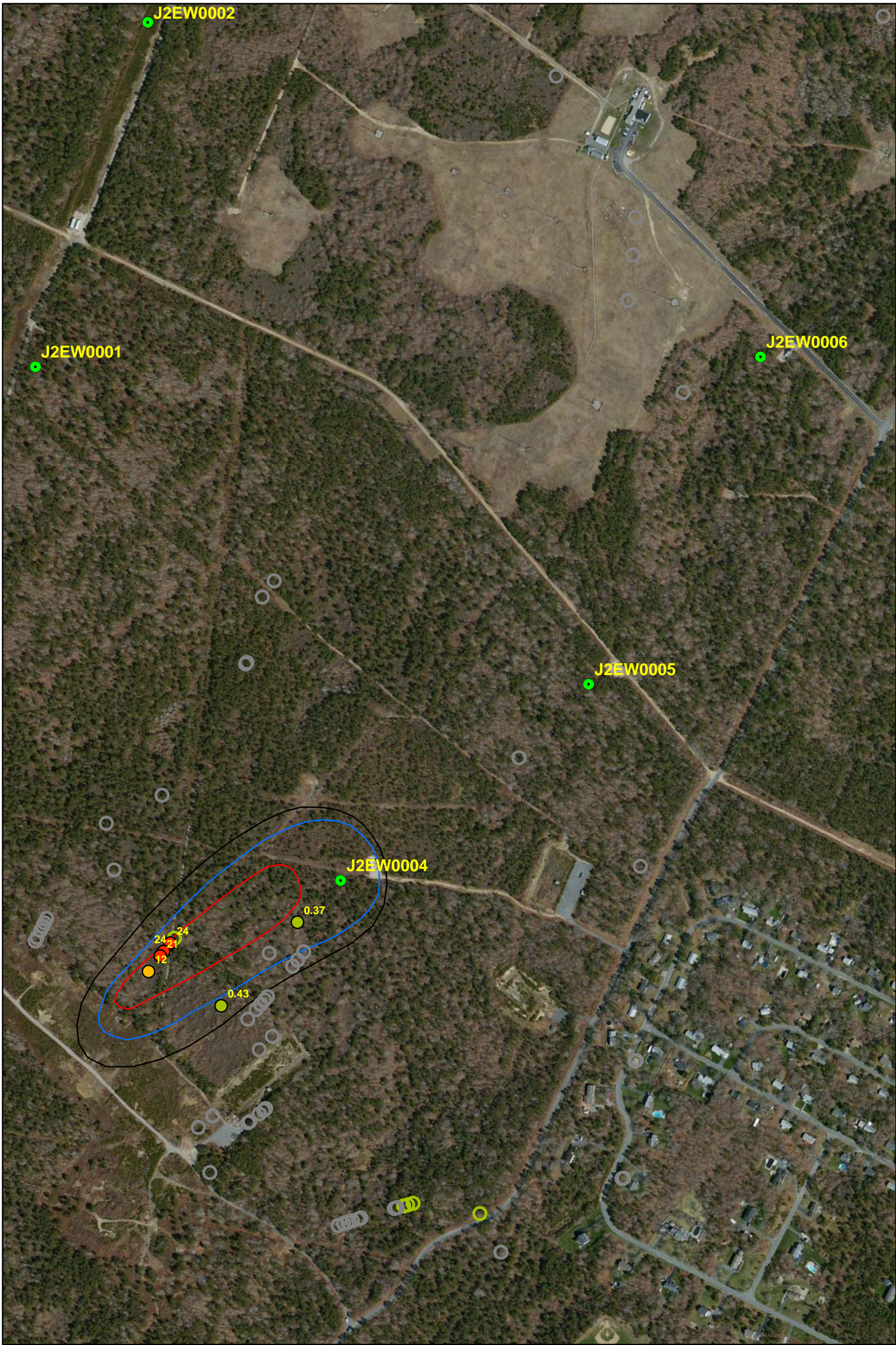
Migrated Concentration Data
and Associated Contours

Elevation Range: 0 to 10 feet msl



US Army Corps
of Engineers





Perc Contours

Upper and Lower Limits

Conc (ppb)

0.35

2

15

Perc Points Used

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

Perc Points Deleted

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

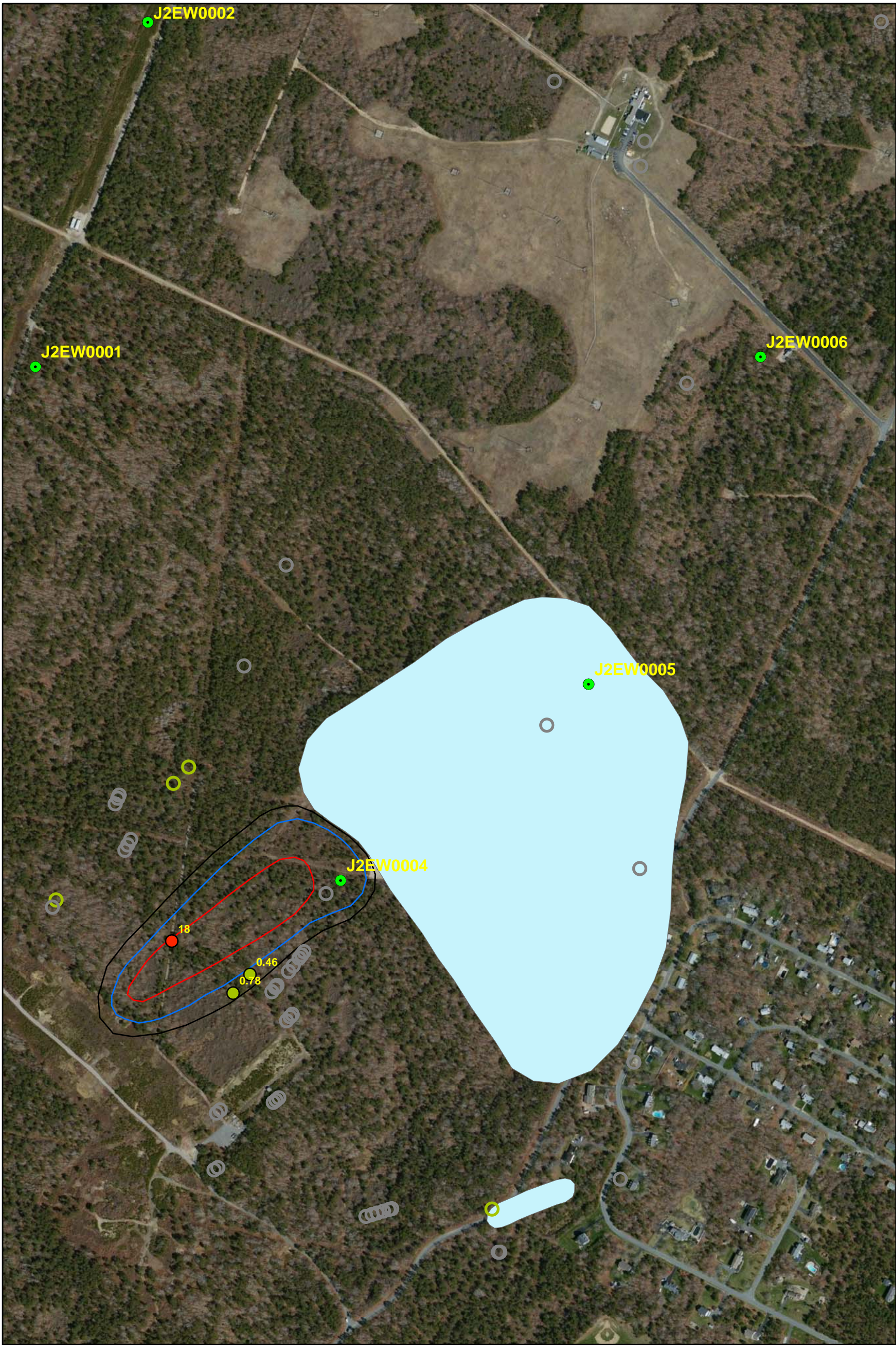
Migrated Concentration Data
and Associated Contours

Elevation Range: -10 to 0 feet msl



US Army Corps
of Engineers





Perc Contours

Upper and Lower Limits
Conc (ppb)
0.35
2
15

Perc Points Used

Conc (ppb)
0.01 - 0.35
0.36 - 2.00
2.01 - 15.00
15.01 - 100.00

Perc Points Deleted

Conc (ppb)
0.01 - 0.35
0.36 - 2.00
2.01 - 15.00
15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -20 to -10 feet msl





Perc Contours

Upper and Lower Limits
Conc (ppb)
0.35
2
15

Perc Points Used

Conc (ppb)
0.01 - 0.35
0.36 - 2.00
2.01 - 15.00
15.01 - 100.00

Perc Points Deleted

Conc (ppb)
0.01 - 0.35
0.36 - 2.00
2.01 - 15.00
15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -30 to -20 feet msl





Perc Contours

Upper and Lower Limits

Conc (ppb)

0.35

2

15

Perc Points Used

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

Perc Points Deleted

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -40 to -30 feet msl



US Army Corps
of Engineers





Perc Contours

Upper and Lower Limits

Conc (ppb)

0.35

2

15

Perc Points Used

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

Perc Points Deleted

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -50 to -40 feet msl



US Army Corps
of Engineers





Perc Contours

Upper and Lower Limits

Conc (ppb)

0.35

2

15

Perc Points Used

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

Perc Points Deleted

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -60 to -50 feet msl



US Army Corps
of Engineers





Perc Contours

Upper and Lower Limits

Conc (ppb)

0.35

2

15

Perc Points Used

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

Perc Points Deleted

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

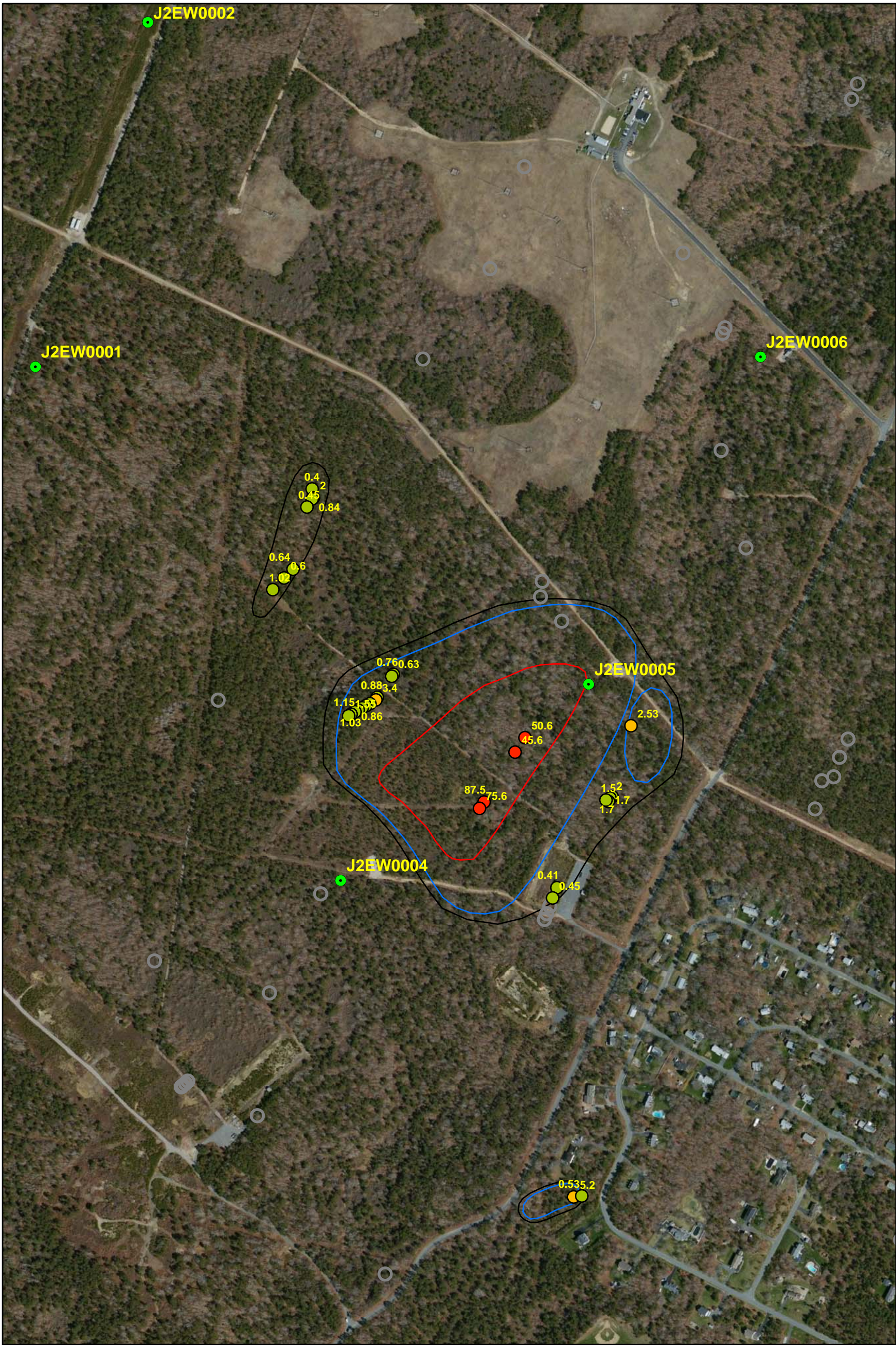
Migrated Concentration Data
and Associated Contours

Elevation Range: -70 to -60 feet msl



US Army Corps
of Engineers





Perc Contours

Upper and Lower Limits

Conc (ppb)

0.35

2

15

Perc Points Used

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

Perc Points Deleted

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -80 to -70 feet msl



US Army Corps
of Engineers





Perc Contours

Upper and Lower Limits

Conc (ppb)

0.35

2

15

Perc Points Used

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

Perc Points Deleted

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -90 to -80 feet msl



US Army Corps
of Engineers





Perc Contours

Upper and Lower Limits

Conc (ppb)

0.35

2

15

Perc Points Used

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

Perc Points Deleted

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -100 to -90 feet msl



US Army Corps
of Engineers





Perc Contours

Upper and Lower Limits

Conc (ppb)

0.35

2

15

Perc Points Used

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

Perc Points Deleted

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

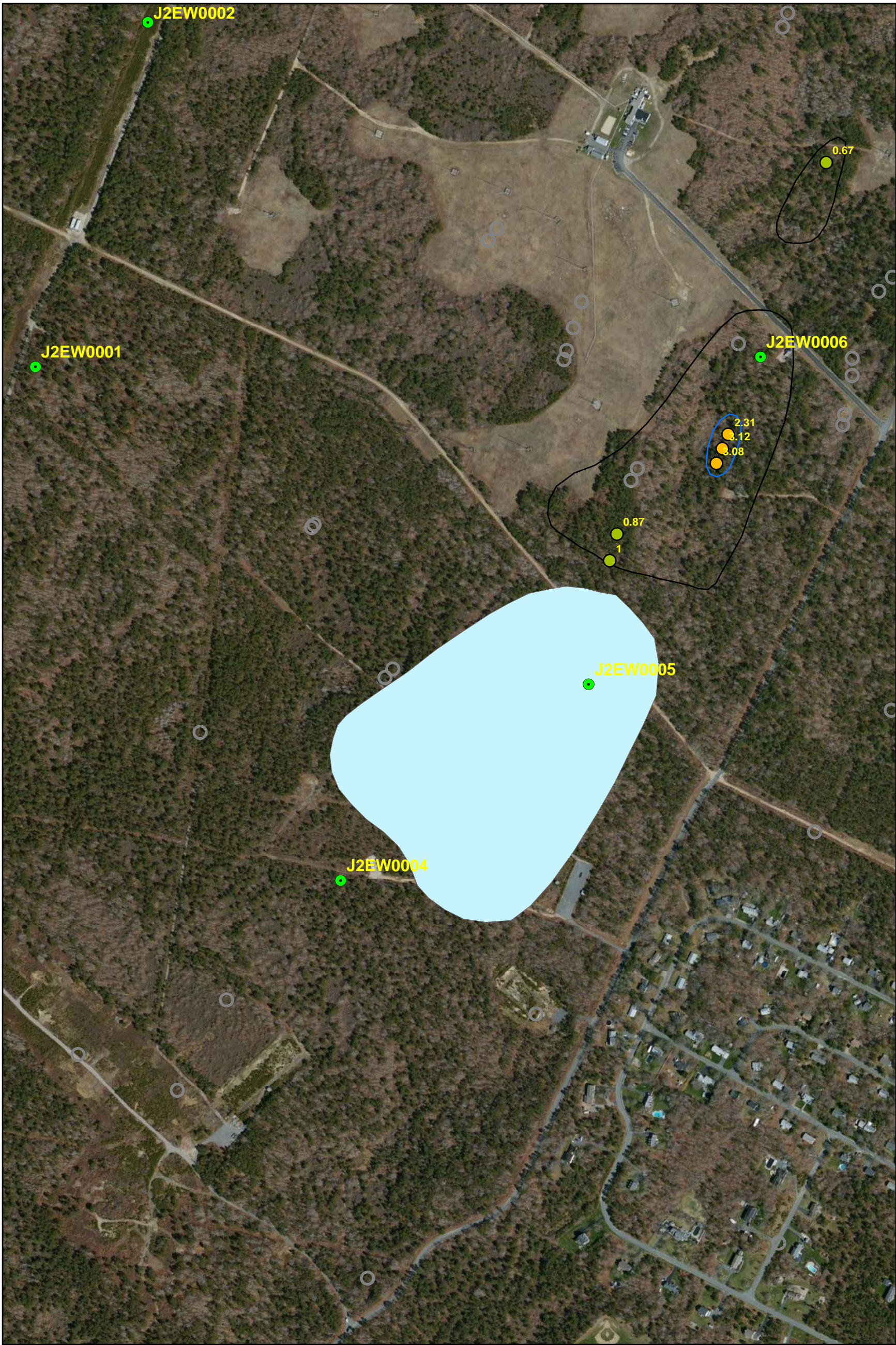
Migrated Concentration Data
and Associated Contours

Elevation Range: -110 to -100 feet msl



US Army Corps
of Engineers





Perc Contours

Upper and Lower Limits

Conc (ppb)

0.35

2

15

Perc Points Used

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

Perc Points Deleted

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

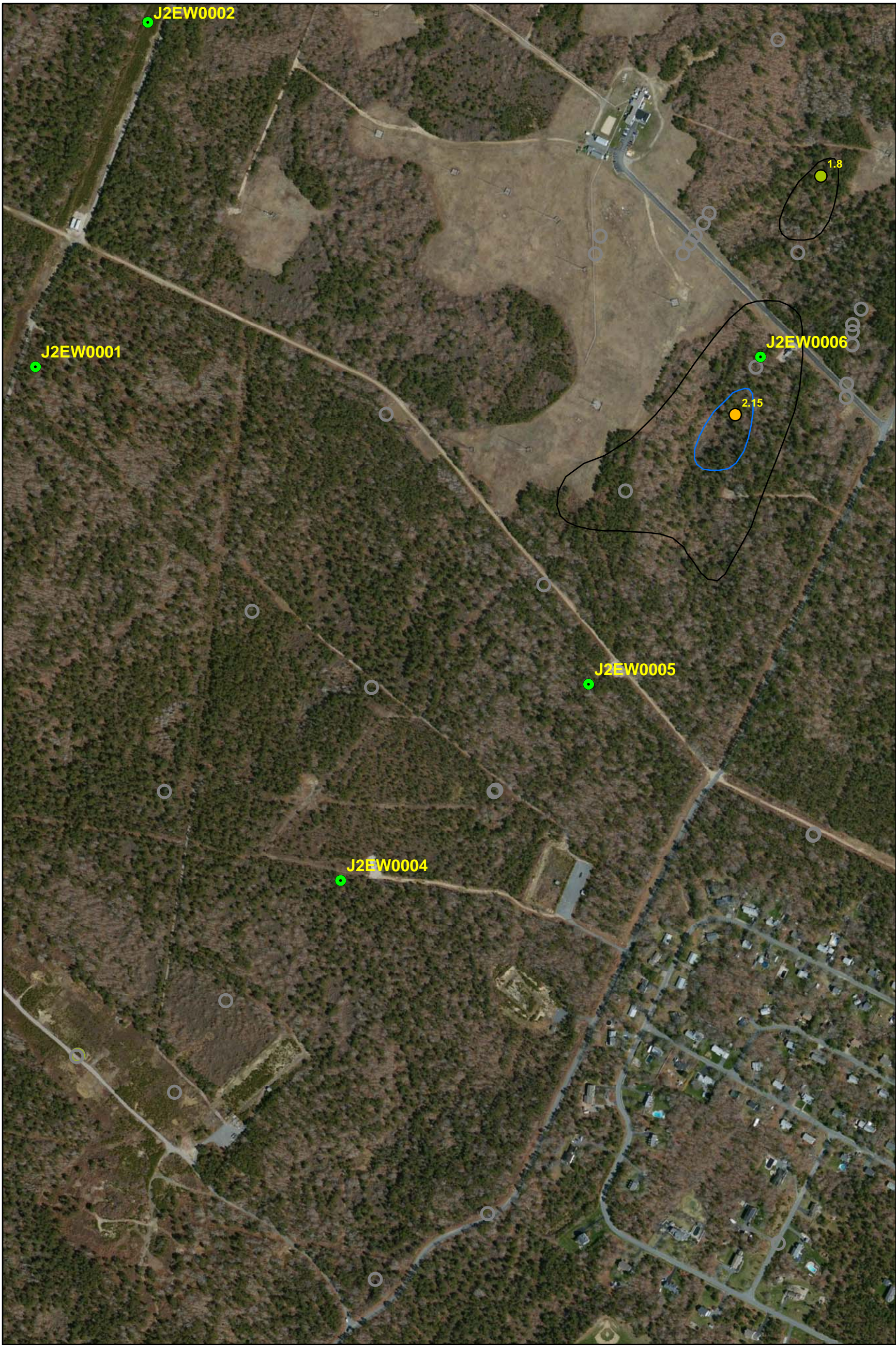
Migrated Concentration Data
and Associated Contours

Elevation Range: -120 to -110 feet msl



US Army Corps
of Engineers





Perc Contours

Upper and Lower Limits

Conc (ppb)

0.35

2

15

Perc Points Used

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

Perc Points Deleted

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -130 to -120 feet msl



US Army Corps
of Engineers





Perc Contours

Upper and Lower Limits

Conc (ppb)

0.35

2

15

Perc Points Used

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

Perc Points Deleted

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -140 to -130 feet msl



US Army Corps
of Engineers





Perc Contours

Upper and Lower Limits

Conc (ppb)

0.35

2

15

Perc Points Used

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

Perc Points Deleted

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -150 to -140 feet msl



US Army Corps
of Engineers





Perc Contours

Upper and Lower Limits

Conc (ppb)

0.35

2

15

Perc Points Used

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

Perc Points Deleted

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

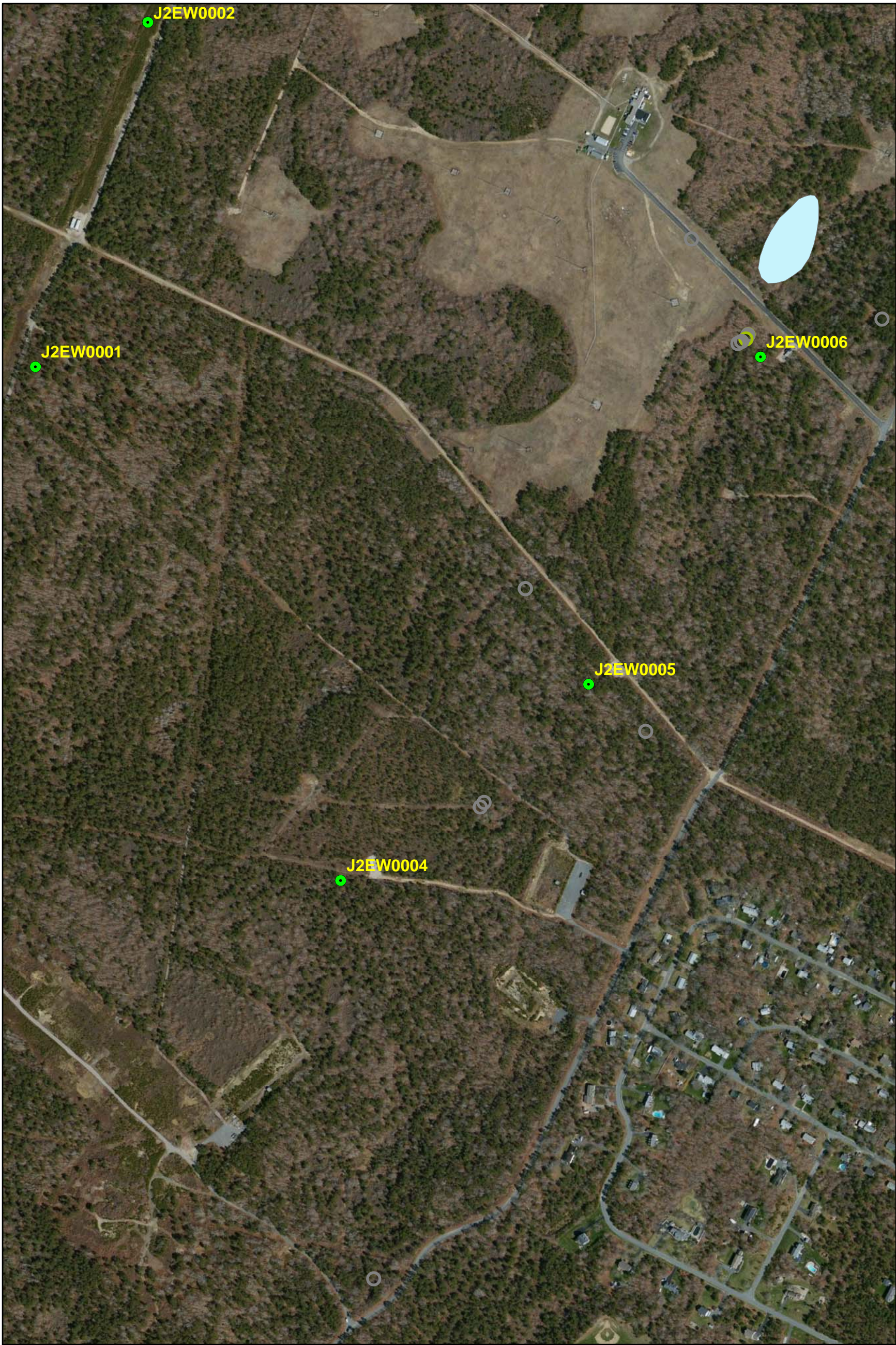
Migrated Concentration Data
and Associated Contours

Elevation Range: -160 to -150 feet msl



US Army Corps
of Engineers





Perc Contours

Upper and Lower Limits

Conc (ppb)

0.35

2

15

Perc Points Used

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

Perc Points Deleted

Conc (ppb)

0.01 - 0.35

0.36 - 2.00

2.01 - 15.00

15.01 - 100.00

J-2 Range Eastern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

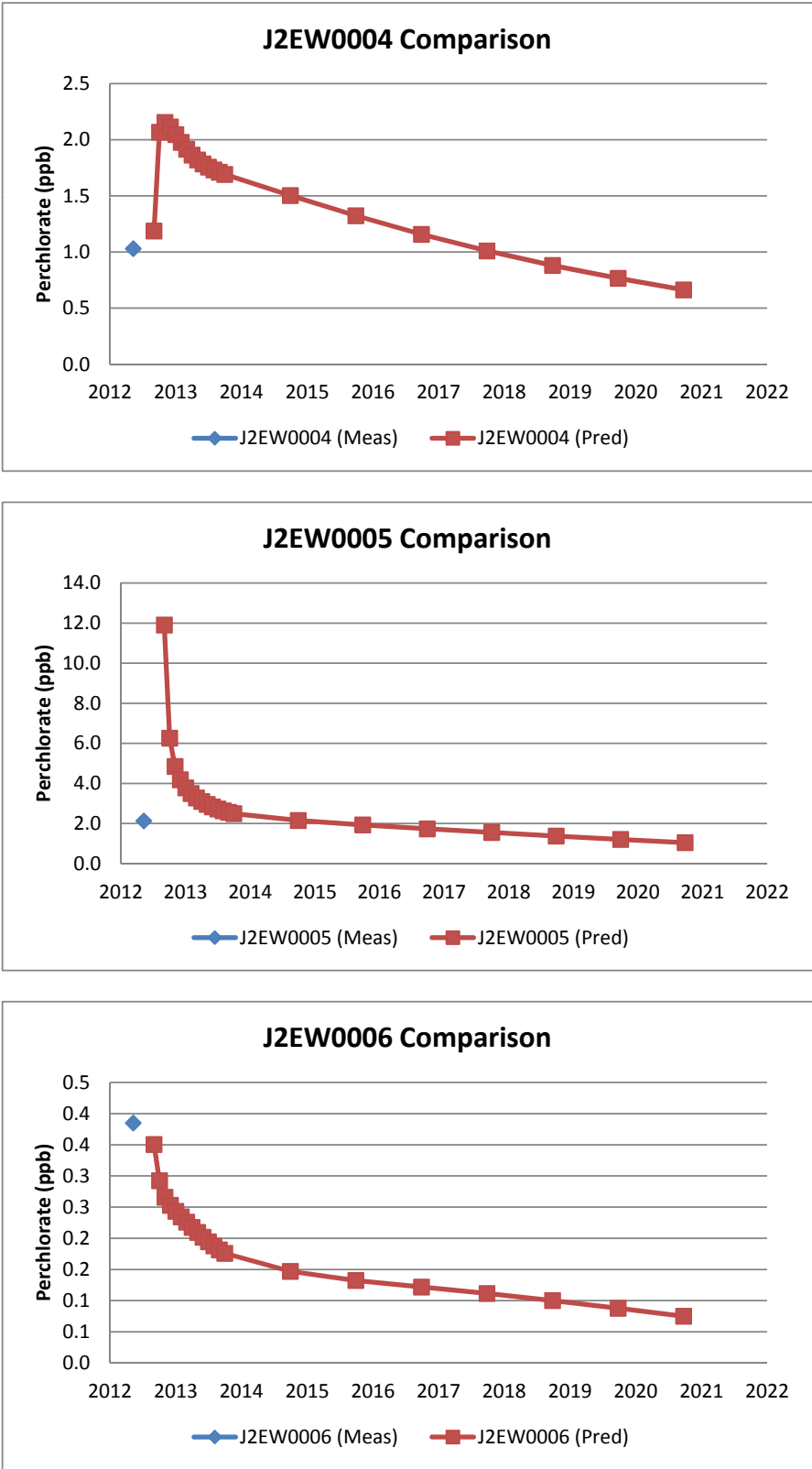
Elevation Range: -170 to -160 feet msl



US Army Corps
of Engineers



Figure X
J-2 Eastern: Measured and Predicted Extraction Well Perchlorate Concentrations



Tables

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
J2MW-04M1	2/26/2009	872,143	260,404	-124.50	2.15	3.51	Used
J2MW-04M1	9/10/2009	872,111	260,318	-117.89	2.31	2.98	Used
J2MW-04M1	3/5/2010	872,086	260,255	-114.29	3.12	2.49	Used
J2MW-04M1	10/5/2010	872,059	260,190	-111.41	3.08	1.91	Used
J2MW-04M1	3/17/2011	872,041	260,146	-109.80	1.88	1.46	Used
J2MW-04M1	10/24/2011	872,017	260,091	-107.97	2	0.86	Used
J2MW-04M1	2/29/2012	872,003	260,061	-106.57	1.68	0.51	Used
J2MW-04M1	8/29/2012	871,985	260,022	-104.73	2.73	0.01	Used
MW-215 (-28.12)	5/6/2002	871,710	258,743	-61.52	0.96 J	10.32	Used
MW-215M1	10/28/2002	871,484	258,490	-90.78	0.39 J	9.85	Used
MW-215M1	7/6/2004	871,445	258,432	-87.15	0.4 J	8.16	Used
MW-215M1	9/9/2004	871,440	258,427	-86.80	0.38 J	7.98	Used
MW-215M1	2/8/2005	871,431	258,414	-85.95	0.68 J	7.56	Used
MW-215M1	6/16/2005	871,423	258,403	-85.02	0.37 J	7.21	Used
MW-215M1	8/25/2005	871,418	258,397	-84.78	0.36 J	7.02	Used
MW-215M1	4/29/2008	871,358	258,325	-79.64	0.41 J	4.34	Used
MW-215M1	9/11/2009	871,339	258,279	-76.95	0.446 J	2.97	Used
MW-215M2	10/28/2002	871,546	259,142	-82.62	1.19	9.85	Used
MW-215M2	7/6/2004	871,627	258,896	-84.97	1.2	8.16	Used
MW-215M2	9/9/2004	871,632	258,800	-83.91	1.4	7.98	Used
MW-215M2	2/9/2005	871,613	258,798	-83.01	1.6	7.56	Used
MW-215M2	6/16/2005	871,601	258,725	-76.22	1.7	7.21	Used
MW-215M2	8/30/2005	871,591	258,718	-75.53	2	7.01	Used
MW-215M2	12/13/2005	871,584	258,703	-73.39	1.7	6.72	Used
MW-215M2	3/28/2006	871,573	258,709	-74.36	1.5	6.43	Used
MW-215M2	4/10/2007	871,515	258,655	-64.20	1.4	5.40	Used
MW-215M2	4/29/2008	871,468	258,631	-57.19	1.8	4.34	Used
MW-215M2	9/11/2009	871,419	258,495	-49.61	2.08	2.97	Used
MW-215M2	9/29/2010	871,379	258,375	-44.20	3.99	1.92	Used
MW-215M2	10/13/2011	871,338	258,268	-40.63	5.08	0.89	Used
MW-215M2	8/15/2012	871,305	258,188	-38.21	5.28	0.05	Used
MW-307 (-14.86)	1/28/2004	869,663	258,089	-14.01	18	8.59	Used
MW-307 (31.86)	1/29/2004	869,656	258,082	-20.67	0.96 J	8.59	Used
MW-307M3 (51.86)	4/27/2004	869,657	258,081	-6.04	24	8.35	Used
MW-307M3 (42.05)	10/25/2004	869,628	258,044	-9.88	24	7.85	Used
MW-307M3 (42.05)	2/22/2005	869,612	258,023	-8.11	21	7.52	Used
MW-307M3 (51.86)	10/19/2005	869,586	257,987	2.58	12.8	6.87	Used
MW-307M3 (51.86)	1/30/2006	869,572	257,970	4.54	10.1	6.59	Used
MW-307M3 (41.86)	3/27/2006	869,561	257,956	-1.67	12	6.43	Used
MW-307M3 (51.86)	9/28/2006	869,541	257,928	8.80	14.9	5.93	Used
MW-307M3 (42.05)	4/11/2007	869,514	257,893	5.08	25.3	5.39	Used
MW-307M3	9/26/2007	869,493	257,866	8.11	25	4.93	Used
MW-307M3	4/14/2008	869,469	257,834	11.70	19.4	4.38	Used
MW-307M3	11/4/2008	869,439	257,800	15.57	4.2	3.82	Used
MW-307M3	2/25/2009	869,421	257,780	17.77	6.34	3.52	Used
MW-307M3	9/22/2009	869,387	257,743	21.54	3.52	2.94	Used
MW-307M3	3/5/2010	869,362	257,714	24.43	2.5	2.49	Used
MW-307M3	9/14/2010	869,332	257,681	27.94	2.93	1.97	Used
MW-307M3	3/17/2011	869,305	257,649	31.53	2.06	1.46	Used
MW-307M3	10/4/2011	869,275	257,616	35.38	1.01	0.91	Used
MW-307M3	2/27/2012	869,254	257,591	38.25	0.552	0.51	Used
MW-307M3	8/7/2012	869,230	257,565	41.61	0.801	0.07	Used
MW-310 (-17.40)	2/4/2004	871,694	258,323	-46.81	14	8.57	Used
MW-310 (-27.40)	2/4/2004	871,688	258,307	-53.02	20	8.57	Used
MW-310 (-37.40)	2/4/2004	871,676	258,269	-59.02	0.39 J	8.57	Used
MW-310M1	4/23/2004	871,678	258,299	-49.61	16	8.36	Used
MW-310M1	8/23/2004	871,656	258,276	-48.42	15	8.02	Used
MW-310M1	12/20/2004	871,635	258,254	-47.02	17	7.70	Used
MW-310M1	6/16/2005	871,604	258,223	-45.11	13	7.21	Used
MW-310M1	11/7/2005	871,578	258,197	-43.97	9.4	6.82	Used
MW-310M1	1/31/2006	871,563	258,182	-43.24	7.3	6.58	Used
MW-310M1	4/3/2006	871,552	258,172	-42.75	4.9	6.41	Used
MW-310M1	9/28/2006	871,519	258,142	-41.42	8.5	5.93	Used
MW-310M1	4/10/2007	871,484	258,113	-39.88	8.6	5.40	Used
MW-310M1	9/25/2007	871,453	258,090	-38.12	13	4.94	Used
MW-310M1	4/11/2008	871,415	258,063	-35.59	17.4	4.39	Used
MW-310M1	10/31/2008	871,384	258,025	-34.09	13.9	3.84	Used
MW-310M1	2/24/2009	871,371	258,000	-33.57	7.9	3.52	Used
MW-310M1	9/14/2009	871,348	257,957	-32.16	5.71	2.97	Used
MW-310M1	3/8/2010	871,329	257,921	-30.71	5.53	2.49	Used
MW-310M1	9/14/2010	871,307	257,883	-29.53	2.75	1.97	Used
MW-310M1	3/14/2011	871,285	257,847	-27.92	1.59	1.47	Used

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-310M1	10/4/2011	871,260	257,808	-25.28	0.871	0.91	Used
MW-310M1	2/27/2012	871,242	257,781	-24.63	0.716	0.51	Used
MW-310M1	8/15/2012	871,220	257,750	-23.89	0.734	0.05	Used
MW-319 (0.62)	2/26/2004	871,592	257,032	-41.91	0.45 J	8.51	Used
MW-319 (-9.38)	2/26/2004	871,578	257,029	-49.60	3.3	8.51	Used
MW-319 (-19.38)	2/27/2004	871,562	257,026	-56.86	2	8.51	Used
MW-319 (-29.38)	2/27/2004	871,543	257,014	-63.08	0.88 J	8.51	Used
MW-319 (-39.38)	3/1/2004	871,331	256,959	-64.23	4.4	8.50	Used
MW-319 (-49.38)	3/1/2004	871,431	256,964	-71.39	5.2	8.50	Used
MW-319 (-59.38)	3/2/2004	871,467	256,968	-77.95	0.53 J	8.50	Used
MW-319M1	5/24/2004	871,361	256,957	-67.77	2.8	8.27	Used
MW-319M1	9/14/2004	871,345	256,955	-67.26	2.8	7.96	Used
MW-319M1	1/19/2005	871,323	256,953	-66.63	2.3	7.62	Used
MW-319M1	10/12/2005	871,275	256,949	-65.56	1.8	6.89	Used
MW-319M1	2/1/2006	871,259	256,946	-64.75	1.5	6.58	Used
MW-319M1	3/30/2006	871,250	256,944	-64.40	1.3	6.43	Used
MW-319M1	10/5/2006	871,223	256,939	-63.18	1.5	5.91	Used
MW-319M1	4/11/2007	871,199	256,935	-62.11	1.4	5.39	Used
MW-319M1	9/25/2007	871,176	256,930	-60.90	1.1	4.94	Used
MW-319M1	4/11/2008	871,146	256,925	-59.29	0.9 J	4.39	Used
MW-319M1	11/3/2008	871,118	256,919	-57.73	0.53 J	3.83	Used
MW-319M1	3/8/2010	871,058	256,902	-53.61	0.459	2.49	Used
MW-319M1	9/29/2010	871,049	256,900	-51.66	0.601	1.92	Used
MW-319M1	3/15/2011	871,041	256,897	-50.34	0.492	1.47	Used
MW-319M2	5/11/2004	871,563	257,027	-48.99	2.6	8.31	Used
MW-319M2	9/14/2004	871,538	257,023	-48.14	3.7	7.96	Used
MW-319M2	1/19/2005	871,513	257,020	-47.23	3.2	7.62	Used
MW-319M2	10/12/2005	871,461	257,012	-44.82	3.2	6.89	Used
MW-319M2	2/1/2006	871,440	257,008	-43.75	2.5	6.58	Used
MW-319M2	3/30/2006	871,429	257,006	-43.23	3	6.43	Used
MW-319M2	4/11/2007	871,355	256,996	-39.14	3.5	5.39	Used
MW-319M2	4/11/2008	871,283	256,989	-33.76	1.1	4.39	Used
MW-319M2	9/29/2010	871,134	256,936	-20.29	1.72	1.92	Used
MW-321M1	4/5/2007	870,289	258,249	-21.92	1 UJ	5.41	Used
MW-321M1	4/12/2007	870,287	258,247	-21.77	1.5	5.39	Used
MW-321M1	5/2/2008	870,195	258,150	-23.36	0.77 J	4.33	Used
MW-321M1	9/16/2010	870,007	257,943	-16.36	0.461	1.96	Used
MW-321M1	10/20/2011	869,933	257,861	-10.91	0.784	0.87	Used
MW-321M1	8/7/2012	869,881	257,804	-6.62	0.433	0.07	Used
MW-321M2	5/2/2008	870,217	258,172	-8.13	0.37 J	4.33	Used
MW-321M2	8/7/2012	869,881	257,805	12.22	0.501	0.07	Used
MW-324 (-174.92)	4/5/2004	871,748	259,012	-174.96	1 U	8.41	Used
MW-324M1	2/28/2012	871,684	259,036	-74.36	2.53	0.51	Used
MW-324M1	8/29/2012	871,733	258,967	-66.00	2.96	0.01	Used
MW-324M2	10/27/2011	871,717	259,057	-65.65	1.58	0.85	Used
MW-324M2	2/28/2012	871,738	259,028	-52.37	1.95	0.51	Used
MW-324M2	8/29/2012	871,734	258,967	-35.32	2.59	0.01	Used
MW-335 (-42.48)	6/9/2004	871,759	260,267	-93.63	0.4 J	8.23	Used
MW-335 (-82.48)	6/10/2004	871,739	260,220	-107.59	0.52 J	8.23	Used
MW-335M1	8/16/2004	871,726	260,186	-106.79	0.67 J	8.04	Used
MW-335M1	12/16/2004	871,702	260,119	-106.37	0.74 J	7.71	Used
MW-335M1	4/14/2005	871,676	260,045	-107.54	0.86 J	7.38	Used
MW-335M1	11/4/2005	871,622	259,879	-113.65	0.87 J	6.83	Used
MW-335M1	1/19/2006	871,590	259,762	-114.85	1	6.62	Used
MW-335M1	4/6/2006	871,521	259,491	-109.45	1.6	6.41	Used
MW-335M1	2/28/2012	871,294	259,548	-92.89	0.395	0.51	Used
MW-335M2	8/16/2004	871,745	260,230	-93.67	0.4 J	8.04	Used
MW-335M2	4/14/2005	871,690	260,078	-94.47	0.5 J	7.38	Used
MW-339 (-31.16)	6/28/2004	870,991	259,492	-92.76	0.43 J	8.18	Used
MW-339 (-41.16)	6/28/2004	870,773	259,428	-85.31	0.73 J	8.18	Used
MW-339 (-51.16)	6/28/2004	870,568	259,161	-71.40	0.88 J	8.18	Used
MW-339 (-61.16)	6/28/2004	870,662	259,277	-85.94	1.4	8.18	Used
MW-339 (-71.16)	6/28/2004	870,667	259,282	-91.58	11	8.18	Used
MW-339M1	8/20/2004	870,662	259,276	-90.06	5.6	8.03	Used
MW-339M1	12/20/2004	870,652	259,264	-89.08	5.2	7.70	Used
MW-339M1	4/18/2005	870,643	259,252	-88.06	3.5	7.37	Used
MW-339M1	11/7/2005	870,627	259,232	-86.01	3.6	6.82	Used
MW-339M1	1/31/2006	870,620	259,223	-85.34	2.7	6.58	Used
MW-339M1	4/4/2006	870,615	259,217	-84.88	2.8	6.41	Used
MW-339M1	4/11/2007	870,588	259,183	-81.90	3.6	5.39	Used
MW-339M1	5/1/2008	870,562	259,150	-79.17	3.4	4.34	Used
MW-339M1	2/19/2009	870,535	259,133	-77.05	1.54	3.53	Used

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-339M1	9/11/2009	870,516	259,124	-75.57	0.926 J	2.97	Used
MW-339M1	3/4/2010	870,501	259,115	-74.63	1.41	2.50	Used
MW-339M1	9/29/2010	870,483	259,105	-73.15	1.03	1.92	Used
MW-339M1	3/15/2011	870,469	259,097	-72.32	0.861	1.47	Used
MW-339M1	10/18/2011	870,452	259,087	-70.95	1.15	0.87	Used
MW-339M1	2/27/2012	870,442	259,080	-70.35	1.55	0.51	Used
MW-339M1	8/27/2012	870,428	259,071	-69.18	1.59	0.01	Used
MW-339M2	8/20/2004	870,674	259,307	-84.20	0.88 J	8.03	Used
MW-339M2	12/20/2004	870,664	259,295	-82.48	0.78 J	7.70	Used
MW-339M2	4/18/2005	870,655	259,283	-81.26	1.1	7.37	Used
MW-339M2	11/7/2005	870,638	259,263	-78.74	0.76 J	6.82	Used
MW-339M2	1/31/2006	870,631	259,254	-77.88	0.63 J	6.58	Used
MW-339M2	9/11/2009	870,534	259,148	-63.84	0.925 J	2.97	Used
MW-339M2	9/29/2010	870,503	259,132	-59.34	1.06	1.92	Used
MW-339M2	10/18/2011	870,494	259,119	-53.07	1.43	0.87	Used
MW-339M2	8/27/2012	870,428	259,072	-49.19	0.606	0.01	Used
MW-366 (3.13)	2/2/2005	870,241	260,098	-62.30	4.1	7.58	Used
MW-366 (-6.87)	2/2/2005	870,262	260,088	-68.64	3.7	7.58	Used
MW-366 (-16.87)	2/2/2005	870,281	260,077	-74.67	0.4 J	7.58	Used
MW-366 (-26.87)	2/2/2005	870,287	260,040	-77.91	2	7.58	Used
MW-366 (-36.87)	2/2/2005	870,211	259,830	-68.59	1.5	7.58	Used
MW-366 (-66.87)	2/3/2005	870,345	259,996	-95.04	0.9 J	7.58	Used
MW-366M1	3/15/2005	870,339	259,987	-94.39	0.42 J	7.47	Used
MW-366M1	7/25/2005	870,320	259,957	-92.45	0.55 J	7.10	Used
MW-366M1	11/18/2005	870,304	259,931	-90.61	0.79 J	6.79	Used
MW-366M1	9/26/2006	870,266	259,864	-85.95	0.49 J	5.93	Used
MW-366M1	10/2/2007	870,232	259,790	-81.34	0.68 J	4.92	Used
MW-366M1	9/29/2008	870,197	259,725	-77.15	0.635 J	3.92	Used
MW-366M1	8/19/2009	870,158	259,686	-74.03	0.604 J	3.04	Used
MW-366M1	9/30/2010	870,108	259,635	-70.68	1.02	1.92	Used
MW-366M1	10/13/2011	870,058	259,583	-68.45	0.901	0.89	Used
MW-366M1	8/23/2012	870,015	259,538	-66.90	1.02	0.02	Used
MW-366M2	3/15/2005	870,281	260,034	-76.83	0.84 J	7.47	Used
MW-366M2	7/25/2005	870,258	259,998	-72.41	0.45 J	7.10	Used
MW-366M2	11/18/2005	870,240	259,964	-68.79	0.68 J	6.79	Used
MW-366M2	4/12/2007	870,176	259,820	-56.80	0.42 J	5.39	Used
MW-366M3	3/15/2005	870,236	260,086	-60.54	2.3	7.47	Used
MW-366M3	7/25/2005	870,226	260,056	-54.74	1	7.10	Used
MW-366M3	11/18/2005	870,224	260,037	-50.23	0.64 J	6.79	Used
MW-368 (-178.57)	4/21/2005	871,051	258,719	-179.08	1 U	7.36	Used
MW-368M1	4/12/2007	871,326	259,092	-97.68	38.6	5.39	Used
MW-368M1	4/14/2008	871,191	258,912	-103.53	70.8	4.38	Used
MW-368M1	9/22/2009	871,111	258,800	-92.84	47.7	2.94	Used
MW-368M1	9/22/2009	871,111	258,800	-92.84	47.7	2.94	Used
MW-368M1	9/2/2010	871,071	258,747	-84.51	63.1	2.00	Used
MW-368M1	10/19/2011	871,037	258,701	-76.47	87.5	0.87	Used
MW-368M1	8/27/2012	871,017	258,673	-71.27	75.6	0.01	Used
MW-368M2	9/22/2009	871,269	259,052	-80.70	46.5	2.94	Used
MW-368M2	9/22/2009	871,269	259,052	-80.70	46.5	2.94	Used
MW-368M2	3/8/2010	871,218	258,984	-79.42	50.6	2.49	Used
MW-368M2	9/2/2010	871,174	258,920	-74.23	45.6	2.00	Used
MW-368M2	3/15/2011	871,128	258,816	-64.76	54.8	1.47	Used
MW-368M2	10/19/2011	871,083	258,763	-45.13	48.4	0.87	Used
MW-368M2	2/27/2012	871,055	258,725	-40.89	46.5	0.51	Used
MW-368M2	8/27/2012	871,018	258,674	-36.59	44.1	0.01	Used
MW-393 (-66.49)	8/23/2005	872,598	261,648	-96.14	0.83 J	7.03	Used
MW-393 (-86.49)	9/2/2005	872,543	261,513	-113.70	0.67 J	7.00	Used
MW-393 (-96.49)	9/2/2005	872,519	261,453	-122.15	1.8	7.00	Used
MW-393 (-106.49)	9/2/2005	872,497	261,397	-130.16	1.5	7.00	Used
MW-393 (-116.49)	9/2/2005	872,476	261,342	-137.41	2	7.00	Used
MW-393 (-126.49)	9/6/2005	872,455	261,289	-144.49	1.3	6.99	Used
MW-393 (-136.49)	9/6/2005	872,436	261,245	-151.60	1.4	6.99	Used
MW-393 (-146.49)	9/6/2005	872,392	261,147	-158.55	1.4	6.99	Used
MW-393M1	10/26/2005	872,465	261,314	-137.70	1.6 J	6.85	Used
MW-393M1	2/23/2006	872,440	261,241	-138.67	1.8	6.52	Used
MW-393M1	3/29/2006	872,433	261,217	-139.25	1.8	6.43	Used
MW-393M1	6/22/2006	872,409	261,139	-140.71	1.9	6.20	Used
MW-393M1	10/10/2006	872,345	260,930	-143.06	2.6	5.89	Used
84MW0003	9/2/2004	873,374	262,595	1.73	1 U	8.00	Deleted
90WT0009	7/22/2005	871,647	255,078	21.29	1 UJ	7.11	Deleted
C1-B	4/12/2004	874,761	265,669	-49.49	1 U	8.39	Deleted
C1-C (-58.93)	4/12/2004	874,668	265,193	-82.50	1 U	8.39	Deleted

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
C1-C (-73.93)	9/24/2004	874,595	264,926	-91.61	1 U	7.94	Deleted
C1-C (-63.93)	9/24/2004	874,627	265,040	-84.73	1 U	7.94	Deleted
C1-C (-53.93)	9/24/2004	874,655	265,149	-77.87	1 U	7.94	Deleted
C1-C (-43.93)	9/24/2004	874,682	265,259	-71.14	1 U	7.94	Deleted
C2-B	4/13/2004	875,585	264,198	-39.89	1 U	8.38	Deleted
C2-C (-41.03)	4/13/2004	875,559	263,877	-70.53	1 U	8.38	Deleted
C2-C (-56.03)	9/22/2004	875,511	263,609	-79.59	1 U	7.94	Deleted
C2-C (-46.03)	9/23/2004	875,533	263,719	-72.56	1 U	7.94	Deleted
C2-C (-36.03)	9/23/2004	875,549	263,811	-65.73	1 U	7.94	Deleted
C2-C (-26.03)	9/23/2004	875,561	263,887	-59.03	1 U	7.94	Deleted
C3-C (-123.30)	4/13/2004	875,233	265,240	-114.34	1 U	8.38	Deleted
C3-C (-138.30)	9/21/2004	875,216	265,038	-135.34	1 U	7.94	Deleted
C3-C (-128.30)	9/22/2004	875,217	265,119	-119.53	1 U	7.94	Deleted
C3-C (-118.30)	9/22/2004	875,202	265,184	-107.57	1 U	7.94	Deleted
DP-371 (58.02)	5/17/2005	871,711	257,566	4.10	1 UJ	7.29	Deleted
DP-371 (50.77)	5/17/2005	871,707	257,564	-0.43	1 UJ	7.29	Deleted
DP-371 (38.52)	5/18/2005	871,701	257,561	-8.12	1 U	7.29	Deleted
DP-371 (28.52)	5/18/2005	871,696	257,557	-14.46	1 U	7.29	Deleted
DP-371 (18.52)	5/18/2005	871,690	257,553	-20.90	1 U	7.29	Deleted
DP-371 (8.52)	5/18/2005	871,682	257,548	-27.36	1 U	7.29	Deleted
DP-371 (-1.48)	5/18/2005	871,673	257,543	-33.89	1 U	7.29	Deleted
DP-371 (-11.48)	5/18/2005	871,664	257,537	-40.33	1 U	7.29	Deleted
DP-371 (-21.48)	5/19/2005	871,654	257,531	-47.04	1 U	7.29	Deleted
DP-371 (-31.48)	5/19/2005	871,584	257,477	-53.61	1 U	7.29	Deleted
DP-371 (-41.48)	5/19/2005	871,532	257,458	-61.09	0.67 J	7.29	Deleted
DP-371 (-48.78)	5/19/2005	871,518	257,469	-66.60	2.1	7.29	Deleted
DP-377 (68.06)	5/31/2005	871,087	256,018	17.41	1 U	7.25	Deleted
DP-377 (58.06)	5/31/2005	871,083	256,019	12.36	1 U	7.25	Deleted
DP-377 (48.06)	5/31/2005	871,078	256,021	6.70	1 U	7.25	Deleted
DP-377 (38.06)	5/31/2005	871,073	256,023	0.98	1 U	7.25	Deleted
DP-377 (28.06)	6/1/2005	871,067	256,024	-4.80	1 U	7.25	Deleted
DP-377 (18.06)	6/1/2005	871,061	256,026	-10.70	1 U	7.25	Deleted
DP-377 (8.06)	6/1/2005	871,053	256,028	-16.59	1 U	7.25	Deleted
DP-377 (-1.94)	6/1/2005	871,043	256,031	-22.80	1 U	7.25	Deleted
DP-377 (-11.94)	6/2/2005	871,032	256,033	-29.27	1 U	7.25	Deleted
DP-377 (-21.94)	6/2/2005	871,022	256,038	-35.70	1 U	7.25	Deleted
DP-377 (-31.94)	6/2/2005	871,012	256,057	-41.59	1 U	7.25	Deleted
DP-377 (-41.94)	6/2/2005	870,962	256,067	-46.70	1 U	7.25	Deleted
DP-377 (-51.94)	6/3/2005	870,633	256,143	-54.93	1 U	7.25	Deleted
DP-377 (-57.94)	6/3/2005	870,621	256,151	-62.98	1 U	7.25	Deleted
J2MW-01M1	8/28/2012	871,474	259,226	-100.37	0.008 J	0.01	Deleted
J2MW-04 (-107.85)	5/29/2008	872,233	260,613	-122.62	1 U	4.26	Deleted
J2MW-04 (-117.85)	5/30/2008	872,191	260,519	-138.25	1 U	4.26	Deleted
J2MW-04 (-127.85)	5/30/2008	872,153	260,452	-143.56	1 U	4.26	Deleted
J2MW-04 (-137.85)	6/2/2008	872,004	260,043	-138.98	1 U	4.25	Deleted
J2MW-04 (-147.85)	6/2/2008	872,005	260,043	-148.38	1 U	4.25	Deleted
J2MW-04M2	9/10/2009	872,144	260,426	-90.85	1 U	2.97	Deleted
J2MW-04M2	3/5/2010	872,112	260,335	-80.04	0.092	2.49	Deleted
J2MW-04M2	10/5/2010	872,080	260,247	-71.77	0.129	1.91	Deleted
J2MW-04M2	3/17/2011	872,058	260,188	-67.50	0.056	1.46	Deleted
J2MW-04M2	10/26/2011	872,027	260,114	-62.84	0.039 J	0.85	Deleted
J2MW-04M2	2/29/2012	872,010	260,076	-60.76	0.033 J	0.51	Deleted
J2MW-04M2	8/29/2012	871,985	260,022	-57.75	0.031 J	0.01	Deleted
J2MW-05M1	8/15/2012	870,415	258,376	-48.02	0.153	0.05	Deleted
MW-116S	12/11/2000	870,193	257,767	-15.02	5 U	11.72	Deleted
MW-116S	2/13/2001	870,184	257,757	-14.35	5 U	11.55	Deleted
MW-116S	6/4/2001	870,168	257,739	-13.08	5 U	11.24	Deleted
MW-116S	8/22/2002	870,105	257,671	-7.46	1 U	10.03	Deleted
MW-116S	9/30/2003	870,048	257,612	-1.57	1 U	8.92	Deleted
MW-116S	9/22/2004	869,998	257,561	4.31	0.64 J	7.94	Deleted
MW-116S	5/16/2005	869,964	257,528	8.51	0.61 J	7.30	Deleted
MW-116S	10/19/2005	869,942	257,506	11.41	0.48 J	6.87	Deleted
MW-116S	2/3/2006	869,927	257,492	13.53	0.49 J	6.58	Deleted
MW-116S	3/27/2006	869,919	257,484	14.50	1 U	6.43	Deleted
MW-116S	4/11/2007	869,864	257,435	21.61	1 U	5.39	Deleted
MW-116S	5/1/2008	869,809	257,389	30.54	1 U	4.34	Deleted
MW-116S	9/15/2009	869,725	257,316	41.09	1 U	2.96	Deleted
MW-116S	9/14/2010	869,663	257,264	48.82	0.26	1.96	Deleted
MW-116S	10/4/2011	869,598	257,211	56.48	0.246	0.91	Deleted
MW-116S	8/7/2012	869,548	257,170	63.69	0.267	0.07	Deleted
MW-120M1	10/20/2000	869,026	257,821	-95.33	5 UJ	11.86	Deleted
MW-120M1	2/15/2001	869,025	257,818	-95.17	5 U	11.54	Deleted

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-120M1	6/5/2001	869,023	257,816	-95.02	5 U	11.24	Deleted
MW-120M1	7/8/2002	869,020	257,807	-94.76	1 U	10.15	Deleted
MW-120S	10/20/2000	869,482	258,536	-14.49	5 UJ	11.86	Deleted
MW-120S	2/15/2001	869,470	258,512	-12.94	5 U	11.54	Deleted
MW-120S	6/14/2001	869,457	258,488	-11.20	5 U	11.22	Deleted
MW-120S	8/23/2002	869,409	258,402	-5.00	1 U	10.02	Deleted
MW-120S	9/12/2003	869,367	258,327	0.60	1 U	8.97	Deleted
MW-120S	10/30/2004	869,321	258,247	6.98	1 U	7.84	Deleted
MW-120S	9/27/2005	869,285	258,184	11.98	1 U	6.93	Deleted
MW-121S	10/20/2000	869,877	257,347	-12.73	5 UJ	11.86	Deleted
MW-121S	2/15/2001	869,860	257,333	-10.39	5 U	11.54	Deleted
MW-121S	6/6/2001	869,844	257,320	-8.40	5 U	11.24	Deleted
MW-121S	8/19/2002	869,780	257,270	-0.58	1 U	10.04	Deleted
MW-122S	10/20/2000	869,866	257,093	-12.27	5 UJ	11.86	Deleted
MW-122S	2/15/2001	869,849	257,083	-10.21	5 U	11.54	Deleted
MW-122S	6/15/2001	869,831	257,072	-7.94	5 U	11.21	Deleted
MW-122S	6/19/2003	869,722	257,008	3.39	1 U	9.20	Deleted
MW-128M1	11/3/2000	867,184	256,382	-19.14	5 UJ	11.83	Deleted
MW-128M1	2/14/2001	867,190	256,379	-18.77	5 U	11.54	Deleted
MW-128M1	6/6/2001	867,196	256,375	-18.29	5 UJ	11.24	Deleted
MW-128M1	9/16/2004	867,257	256,337	-12.92	1 U	7.96	Deleted
MW-128M1	5/20/2005	867,269	256,330	-11.63	1 U	7.28	Deleted
MW-128M1	10/14/2005	867,276	256,326	-10.82	1 U	6.88	Deleted
MW-128M1	1/9/2006	867,280	256,323	-10.23	1 U	6.64	Deleted
MW-128M2	11/3/2000	867,174	256,383	-4.86	5 UJ	11.83	Deleted
MW-128M2	2/14/2001	867,180	256,379	-4.12	5 U	11.54	Deleted
MW-128M2	6/6/2001	867,186	256,375	-3.30	5 UJ	11.24	Deleted
MW-128M2	6/3/2002	867,207	256,363	-0.46	1 U	10.25	Deleted
MW-128M2	9/20/2002	867,213	256,359	0.43	1 U	9.95	Deleted
MW-128M2	12/9/2002	867,218	256,356	1.10	1 U	9.73	Deleted
MW-128M2	11/4/2003	867,235	256,346	4.01	1 U	8.83	Deleted
MW-128M2	2/11/2004	867,240	256,343	4.92	1 U	8.55	Deleted
MW-128M2	6/18/2004	867,247	256,339	6.14	1 U	8.20	Deleted
MW-128M2	9/16/2004	867,251	256,336	7.02	0.42 J	7.96	Deleted
MW-128M2	12/17/2004	867,256	256,333	7.93	1 U	7.71	Deleted
MW-128M2	5/20/2005	867,264	256,329	9.51	1 U	7.28	Deleted
MW-128M2	10/14/2005	867,271	256,324	11.15	1 UJ	6.88	Deleted
MW-128M2	1/9/2006	867,275	256,322	12.10	1 U	6.64	Deleted
MW-128S	11/6/2000	867,173	256,386	1.03	5 UJ	11.82	Deleted
MW-128S	2/14/2001	867,179	256,383	1.89	3 J	11.54	Deleted
MW-128S	6/7/2001	867,185	256,379	2.88	5 UJ	11.23	Deleted
MW-128S	12/13/2001	867,196	256,372	4.65	2 U	10.72	Deleted
MW-128S	6/3/2002	867,206	256,366	6.28	1 U	10.25	Deleted
MW-128S	9/20/2002	867,212	256,362	7.35	1 U	9.95	Deleted
MW-128S	12/9/2002	867,217	256,359	8.15	1 U	9.73	Deleted
MW-128S	3/27/2003	867,223	256,356	9.26	0.6 J	9.43	Deleted
MW-128S	9/11/2003	867,232	256,350	11.05	0.83 J	8.97	Deleted
MW-128S	2/11/2004	867,240	256,345	12.73	1 U	8.55	Deleted
MW-128S	6/25/2004	867,247	256,341	14.28	1 U	8.18	Deleted
MW-128S	9/16/2004	867,251	256,338	15.25	1 U	7.96	Deleted
MW-128S	12/17/2004	867,256	256,335	16.35	1 U	7.71	Deleted
MW-128S	5/20/2005	867,263	256,331	18.25	1 U	7.28	Deleted
MW-128S	11/17/2005	867,272	256,325	20.57	1 U	6.79	Deleted
MW-128S	1/10/2006	867,275	256,324	21.34	1 U	6.64	Deleted
MW-128S	6/13/2006	867,283	256,319	23.42	1 UJ	6.22	Deleted
MW-128S	4/30/2007	867,300	256,313	28.03	1 U	5.34	Deleted
MW-128S	3/11/2008	867,316	256,310	32.94	1 U	4.48	Deleted
MW-137S	12/11/2000	869,432	258,731	-14.03	5 U	11.72	Deleted
MW-137S	2/14/2001	869,425	258,717	-13.17	5 U	11.54	Deleted
MW-137S	6/6/2001	869,415	258,693	-11.52	5 UJ	11.24	Deleted
MW-137S	7/8/2002	869,375	258,607	-5.84	1 U	10.15	Deleted
MW-154M1	4/27/2001	870,040	257,322	-70.05	5 U	11.35	Deleted
MW-154M1	7/24/2001	870,031	257,315	-69.17	5 U	11.11	Deleted
MW-154M1	10/30/2001	870,021	257,306	-68.36	5 U	10.84	Deleted
MW-154M1	2/23/2005	869,896	257,202	-52.57	1 U	7.52	Deleted
MW-154M1	9/10/2005	869,872	257,183	-48.14	1 U	6.97	Deleted
MW-154S	4/26/2001	870,134	257,400	-15.44	5 U	11.35	Deleted
MW-154S	7/25/2001	870,122	257,390	-14.22	5 U	11.10	Deleted
MW-154S	10/22/2001	870,110	257,380	-12.99	5 U	10.86	Deleted
MW-154S	6/18/2002	870,076	257,353	-9.52	1 U	10.21	Deleted
MW-154S	8/22/2002	870,067	257,345	-8.44	1 U	10.03	Deleted
MW-154S	1/8/2003	870,048	257,330	-6.32	1 U	9.65	Deleted

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-154S	11/3/2003	870,006	257,296	-1.20	1 U	8.83	Deleted
MW-154S	12/24/2003	869,999	257,291	-0.28	1 U	8.69	Deleted
MW-154S	9/22/2004	869,960	257,260	4.70	1 U	7.94	Deleted
MW-154S	9/10/2005	869,909	257,222	11.54	1 U	6.97	Deleted
MW-158M1	6/11/2001	870,519	256,881	-42.32	5 UJ	11.22	Deleted
MW-158M1	10/15/2001	870,512	256,882	-41.30	5 U	10.88	Deleted
MW-158M1	1/16/2002	870,506	256,883	-40.56	2 U	10.62	Deleted
MW-158M1	6/18/2002	870,490	256,880	-39.70	1 U	10.21	Deleted
MW-158M1	8/22/2002	870,479	256,877	-39.13	1 U	10.03	Deleted
MW-158M1	1/7/2003	870,457	256,870	-38.13	1 U	9.65	Deleted
MW-158M1	10/6/2003	870,383	256,842	-35.01	1 U	8.91	Deleted
MW-158M1	7/6/2004	870,369	256,843	-37.62	1 UJ	8.15	Deleted
MW-158M1	9/1/2004	870,366	256,843	-38.39	1 U	8.00	Deleted
MW-158M1	2/1/2005	870,359	256,844	-39.92	1 U	7.58	Deleted
MW-158M1	5/31/2005	870,351	256,844	-40.52	1 UJ	7.25	Deleted
MW-158M1	9/10/2005	870,344	256,844	-41.20	1 U	6.97	Deleted
MW-158M1	1/30/2006	870,333	256,838	-41.06	1 U	6.59	Deleted
MW-158M2	6/11/2001	870,699	256,931	-23.31	5 UJ	11.22	Deleted
MW-158M2	10/15/2001	870,676	256,925	-21.93	1.21 J	10.88	Deleted
MW-158M2	1/16/2002	870,659	256,920	-20.54	1.4 J	10.62	Deleted
MW-158M2	1/16/2002	870,659	256,920	-20.54	1.4 J	10.62	Deleted
MW-158M2	6/18/2002	870,631	256,913	-18.48	1 U	10.21	Deleted
MW-158M2	8/22/2002	870,619	256,909	-17.88	1 U	10.03	Deleted
MW-158M2	1/7/2003	870,594	256,902	-15.97	1 U	9.65	Deleted
MW-158M2	6/9/2003	870,566	256,894	-13.96	1 U	9.23	Deleted
MW-158M2	10/6/2003	870,545	256,887	-12.36	1 U	8.91	Deleted
MW-158M2	3/5/2004	870,518	256,879	-10.60	1 U	8.49	Deleted
MW-158M2	7/6/2004	870,496	256,872	-9.46	1 U	8.15	Deleted
MW-158M2	9/1/2004	870,485	256,869	-8.57	1 U	8.00	Deleted
MW-158M2	2/1/2005	870,458	256,860	-6.83	1 U	7.58	Deleted
MW-158M2	6/1/2005	870,437	256,853	-5.76	1 UJ	7.25	Deleted
MW-158M2	9/10/2005	870,420	256,847	-4.64	1 U	6.97	Deleted
MW-158M2	1/30/2006	870,395	256,839	-3.23	1 U	6.59	Deleted
MW-158S	6/12/2001	870,725	256,936	-7.36	2 J	11.22	Deleted
MW-158S	10/16/2001	870,701	256,930	-5.68	0.94 J	10.88	Deleted
MW-158S	1/16/2002	870,683	256,925	-4.15	1 J	10.62	Deleted
MW-158S	6/18/2002	870,655	256,917	-1.77	1 U	10.21	Deleted
MW-158S	8/22/2002	870,642	256,913	-0.88	1 U	10.03	Deleted
MW-158S	1/7/2003	870,616	256,906	1.20	1 U	9.65	Deleted
MW-158S	6/9/2003	870,588	256,897	3.60	1 U	9.23	Deleted
MW-158S	10/7/2003	870,565	256,890	5.55	1 U	8.90	Deleted
MW-158S	3/9/2004	870,537	256,881	7.94	1 U	8.48	Deleted
MW-158S	7/6/2004	870,515	256,875	9.76	1 U	8.15	Deleted
MW-158S	9/22/2004	870,500	256,870	10.81	1 U	7.94	Deleted
MW-158S	2/2/2005	870,476	256,862	12.88	1 U	7.58	Deleted
MW-158S	6/1/2005	870,455	256,855	14.77	1 UJ	7.25	Deleted
MW-158S	9/10/2005	870,437	256,849	16.10	1 U	6.97	Deleted
MW-158S	1/30/2006	870,411	256,841	18.28	1 U	6.59	Deleted
MW-170M1	10/25/2001	871,548	261,189	-122.84	5 U	10.85	Deleted
MW-170M1	7/9/2002	871,526	261,111	-122.13	1 U	10.15	Deleted
MW-170M1	3/24/2004	871,466	260,901	-117.87	1 UJ	8.44	Deleted
MW-170M1	1/20/2005	871,431	260,786	-116.55	1 U	7.61	Deleted
MW-170M1	10/7/2005	871,401	260,687	-116.26	1 U	6.90	Deleted
MW-170M1	1/19/2006	871,389	260,647	-115.97	1 U	6.62	Deleted
MW-170M1	9/9/2009	871,142	260,211	-108.12	1 U	2.98	Deleted
MW-170M1	9/14/2010	871,042	260,152	-105.25	0.101	1.96	Deleted
MW-170M1	10/11/2011	870,928	260,098	-100.29	0.167	0.89	Deleted
MW-170M1	8/28/2012	870,832	260,064	-94.93	0.194	0.01	Deleted
MW-170M3	10/25/2001	871,854	262,093	-27.31	5 U	10.85	Deleted
MW-170M3	7/10/2002	871,816	261,951	-23.80	1 U	10.15	Deleted
MW-170M3	3/24/2004	871,743	261,607	-15.08	1 UJ	8.44	Deleted
MW-170M3	10/4/2004	871,727	261,497	-12.46	1 U	7.91	Deleted
MW-170M3	10/12/2005	871,703	261,272	-7.80	1 U	6.89	Deleted
MW-170M3	6/19/2006	871,693	261,107	-4.61	1 U	6.20	Deleted
MW-170M3	4/10/2007	871,670	260,906	-0.74	1 U	5.40	Deleted
MW-170M3	5/2/2008	871,607	260,539	3.74	1 U	4.33	Deleted
MW-170M3	5/6/2009	871,476	260,346	11.23	0.2 U	3.32	Deleted
MW-170M3	5/11/2010	871,325	260,218	21.29	0.2 U	2.31	Deleted
MW-170M3	5/19/2011	871,135	260,112	32.72	0.2 U	1.29	Deleted
MW-18D	8/7/2000	873,241	266,641	-167.82	5 U	12.07	Deleted
MW-18D	7/26/2001	873,236	266,620	-167.80	5 U	11.10	Deleted
MW-18D	9/30/2002	873,230	266,594	-167.75	1 U	9.92	Deleted

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-18D	9/5/2003	873,225	266,574	-167.72	1 U	8.99	Deleted
MW-18D	8/17/2004	873,220	266,554	-167.67	1 UJ	8.04	Deleted
MW-18D	9/23/2005	873,215	266,531	-167.55	1 U	6.94	Deleted
MW-18M1	7/1/2002	873,941	270,505	-111.96	1 U	10.17	Deleted
MW-18M1	9/30/2002	873,923	270,386	-111.44	1 U	9.92	Deleted
MW-18M1	6/26/2003	873,869	270,047	-109.97	1 U	9.18	Deleted
MW-18M1	10/9/2003	873,848	269,918	-109.71	1 U	8.90	Deleted
MW-18M1	1/5/2004	873,830	269,812	-109.06	1 UJ	8.66	Deleted
MW-18M1	8/17/2004	873,784	269,545	-107.96	1 UJ	8.04	Deleted
MW-18M1	9/23/2005	873,704	269,084	-106.20	1 U	6.94	Deleted
MW-18M2	7/1/2002	874,048	271,230	-72.63	1 U	10.17	Deleted
MW-18M2	9/30/2002	874,031	271,092	-71.46	1 U	9.92	Deleted
MW-18M2	10/9/2003	873,957	270,546	-66.75	1 U	8.90	Deleted
MW-18M2	8/17/2004	873,890	270,114	-62.77	1 UJ	8.04	Deleted
MW-18M2	9/23/2005	873,800	269,585	-57.40	1 U	6.94	Deleted
MW-18S	8/7/2003	874,027	271,018	-22.23	1 U	9.07	Deleted
MW-18S	10/9/2003	874,014	270,918	-21.03	1 U	8.90	Deleted
MW-18S	8/17/2004	873,945	270,439	-13.76	1 UJ	8.04	Deleted
MW-18S	9/23/2005	873,851	269,855	-4.64	1 U	6.94	Deleted
MW-215 (51.88)	5/6/2002	871,827	259,367	-33.80	1 U	10.32	Deleted
MW-215 (41.88)	5/6/2002	871,816	259,349	-39.40	1 U	10.32	Deleted
MW-215 (-18.12)	5/6/2002	871,708	259,009	-80.66	1 U	10.32	Deleted
MW-215 (-48.12)	5/7/2002	871,643	258,681	-86.89	1 U	10.32	Deleted
MW-215 (-68.12)	5/8/2002	871,496	258,502	-88.82	1 U	10.32	Deleted
MW-215 (-78.12)	5/8/2002	871,493	258,510	-94.94	1 U	10.32	Deleted
MW-215 (-88.12)	5/8/2002	871,488	258,514	-100.63	1 U	10.32	Deleted
MW-215M1	7/30/2002	871,489	258,499	-91.27	1 UJ	10.09	Deleted
MW-215M1	12/14/2005	871,411	258,388	-84.20	1 U	6.71	Deleted
MW-215M1	3/28/2006	871,405	258,380	-83.39	1 U	6.43	Deleted
MW-215M1	4/10/2007	871,381	258,352	-81.61	1 U	5.40	Deleted
MW-215M1	9/29/2010	871,326	258,243	-75.33	0.227	1.92	Deleted
MW-215M1	10/13/2011	871,314	258,210	-74.02	0.076	0.89	Deleted
MW-215M1	8/15/2012	871,303	258,184	-73.15	0.051	0.05	Deleted
MW-228 (52.22)	6/28/2002	870,245	258,043	-12.50	1 U	10.18	Deleted
MW-228 (42.22)	6/28/2002	870,234	258,028	-19.14	1 U	10.18	Deleted
MW-228 (32.22)	7/8/2002	870,221	258,011	-25.60	1 U	10.15	Deleted
MW-228 (22.22)	7/8/2002	870,208	257,996	-32.44	1 U	10.15	Deleted
MW-228 (12.22)	7/8/2002	870,195	257,980	-39.23	1 U	10.15	Deleted
MW-228 (2.22)	7/8/2002	870,181	257,963	-46.40	1 U	10.15	Deleted
MW-228 (-7.78)	7/8/2002	870,165	257,944	-53.48	1 U	10.15	Deleted
MW-228 (-17.78)	7/8/2002	870,145	257,920	-60.77	1 U	10.15	Deleted
MW-228 (-27.78)	7/8/2002	870,121	257,893	-68.35	1 U	10.15	Deleted
MW-228 (-37.78)	7/9/2002	870,093	257,862	-76.31	1 U	10.15	Deleted
MW-228 (-57.78)	7/9/2002	870,002	257,775	-94.24	1 U	10.15	Deleted
MW-228 (-67.78)	7/9/2002	869,734	257,473	-76.51	1 U	10.15	Deleted
MW-228 (-77.78)	7/10/2002	869,731	257,470	-83.64	1 U	10.15	Deleted
MW-228 (-87.78)	7/10/2002	869,727	257,468	-91.19	1 U	10.15	Deleted
MW-228 (-97.78)	7/10/2002	869,723	257,464	-99.12	1 U	10.15	Deleted
MW-228 (-107.78)	7/10/2002	869,717	257,459	-107.25	1 U	10.15	Deleted
MW-228 (-117.78)	7/10/2002	869,688	257,433	-117.21	1 U	10.15	Deleted
MW-228 (-127.78)	7/10/2002	869,676	257,424	-127.96	1 U	10.15	Deleted
MW-228 (-137.78)	7/10/2002	869,674	257,422	-137.77	1 U	10.15	Deleted
MW-228M1	8/30/2002	869,730	257,470	-80.61	1 U	10.01	Deleted
MW-228M1	2/10/2003	869,726	257,467	-80.24	1 U	9.56	Deleted
MW-228M1	6/18/2003	869,723	257,464	-79.95	1 U	9.21	Deleted
MW-228M1	10/19/2004	869,712	257,454	-78.80	1 UJ	7.87	Deleted
MW-228M1	9/10/2005	869,705	257,448	-78.98	1 U	6.97	Deleted
MW-228M2	8/29/2002	870,223	258,014	-19.20	1 U	10.01	Deleted
MW-228M2	2/10/2003	870,198	257,981	-17.79	1 U	9.56	Deleted
MW-228M2	6/19/2003	870,177	257,956	-16.52	1 U	9.20	Deleted
MW-228M2	5/18/2004	870,126	257,894	-12.87	1 U	8.29	Deleted
MW-228M2	7/6/2004	870,119	257,886	-12.31	1 UJ	8.15	Deleted
MW-228M2	10/19/2004	870,103	257,867	-10.95	1 UJ	7.87	Deleted
MW-228M2	2/24/2005	870,084	257,845	-9.42	1 U	7.52	Deleted
MW-228M2	5/16/2005	870,072	257,831	-8.27	1 U	7.30	Deleted
MW-228M2	9/10/2005	870,055	257,811	-6.78	1 U	6.97	Deleted
MW-228M2	1/30/2006	870,034	257,788	-4.81	1 U	6.59	Deleted
MW-228M2	10/11/2006	869,997	257,746	-1.09	1 U	5.89	Deleted
MW-228M2	4/11/2007	869,972	257,719	1.73	1 U	5.39	Deleted
MW-228M2	5/1/2008	869,919	257,664	8.30	1 U	4.34	Deleted
MW-228M2	9/15/2009	869,836	257,578	18.42	1 U	2.96	Deleted
MW-228M2	9/15/2010	869,774	257,516	26.35	0.073	1.96	Deleted

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-228M2	10/18/2011	869,705	257,450	34.48	0.164	0.87	Deleted
MW-228M2	8/7/2012	869,655	257,403	40.67	0.118	0.07	Deleted
MW-228S	9/5/2002	870,244	258,042	-4.89	1 U	9.99	Deleted
MW-228S	2/10/2003	870,217	258,006	-3.30	1 U	9.56	Deleted
MW-228S	6/19/2003	870,196	257,979	-1.83	1 U	9.20	Deleted
MW-228S	7/6/2004	870,133	257,903	3.12	1 UJ	8.15	Deleted
MW-228S	10/19/2004	870,117	257,883	4.68	1 UJ	7.87	Deleted
MW-228S	2/24/2005	870,097	257,860	6.61	1 U	7.52	Deleted
MW-228S	5/16/2005	870,084	257,845	7.83	1 U	7.30	Deleted
MW-228S	9/10/2005	870,066	257,824	9.70	1 U	6.97	Deleted
MW-228S	1/30/2006	870,045	257,800	12.05	1 U	6.59	Deleted
MW-254M1	3/29/2004	874,299	269,544	-137.23	1 U	8.43	Deleted
MW-254M2	3/29/2004	874,390	270,031	-113.19	1 U	8.43	Deleted
MW-254M2	2/11/2005	874,322	269,650	-111.89	1 U	7.55	Deleted
MW-254M2	12/5/2005	874,258	269,309	-110.21	1 U	6.74	Deleted
MW-307 (61.86)	1/28/2004	869,675	258,102	-0.84	0.59 J	8.59	Deleted
MW-307 (21.86)	1/29/2004	869,649	258,074	-27.50	1 U	8.59	Deleted
MW-307 (11.86)	1/30/2004	869,640	258,065	-34.29	1 U	8.59	Deleted
MW-307 (1.86)	1/30/2004	869,632	258,055	-41.17	1 U	8.59	Deleted
MW-307 (-8.14)	1/30/2004	869,622	258,044	-48.10	1 U	8.59	Deleted
MW-307 (-18.14)	2/2/2004	869,612	258,032	-55.33	1 U	8.58	Deleted
MW-307 (-28.14)	2/2/2004	869,600	258,018	-62.51	1 U	8.58	Deleted
MW-307 (-38.14)	2/3/2004	869,587	258,002	-70.42	1 U	8.58	Deleted
MW-307 (-58.14)	2/4/2004	869,542	257,945	-87.67	0.74 J	8.57	Deleted
MW-307 (-68.14)	2/4/2004	869,460	257,861	-89.48	0.39 J	8.57	Deleted
MW-307 (-78.14)	2/4/2004	869,270	257,619	-80.93	1 U	8.57	Deleted
MW-307 (-88.14)	2/4/2004	869,272	257,618	-90.48	1 U	8.57	Deleted
MW-307 (-98.14)	2/4/2004	869,271	257,615	-99.73	1 U	8.57	Deleted
MW-307 (-108.14)	2/5/2004	869,268	257,612	-108.87	1 U	8.57	Deleted
MW-307 (-118.14)	2/5/2004	869,251	257,590	-118.75	1 U	8.57	Deleted
MW-307 (-128.14)	2/5/2004	869,250	257,588	-128.53	0.47 J	8.57	Deleted
MW-307 (-138.14)	2/5/2004	869,237	257,587	-137.94	1 U	8.57	Deleted
MW-307 (-148.14)	2/5/2004	869,229	257,562	-148.15	1 U	8.57	Deleted
MW-307 (-158.14)	2/5/2004	869,247	257,581	-157.64	1 U	8.57	Deleted
MW-307M1	4/27/2004	869,249	257,588	-128.51	1 U	8.35	Deleted
MW-307M1	10/25/2004	869,248	257,586	-128.18	1 U	7.85	Deleted
MW-307M1	2/22/2005	869,247	257,585	-128.15	0.42 J	7.52	Deleted
MW-307M1	10/19/2005	869,246	257,583	-127.38	1 U	6.87	Deleted
MW-307M1	1/30/2006	869,245	257,582	-127.35	1 U	6.59	Deleted
MW-307M2	6/1/2004	869,508	257,907	-91.20	1 U	8.25	Deleted
MW-307M2	10/25/2004	869,500	257,894	-90.63	1 U	7.85	Deleted
MW-307M2	2/22/2005	869,495	257,886	-88.65	1 U	7.52	Deleted
MW-307M2	10/19/2005	869,486	257,873	-83.87	1 U	6.87	Deleted
MW-307M2	1/30/2006	869,481	257,866	-81.51	1 U	6.59	Deleted
MW-310 (62.60)	2/3/2004	871,728	258,428	0.63	1 U	8.58	Deleted
MW-310 (52.60)	2/3/2004	871,725	258,419	-5.15	1 U	8.58	Deleted
MW-310 (42.60)	2/3/2004	871,722	258,408	-11.01	1 U	8.58	Deleted
MW-310 (22.60)	2/3/2004	871,715	258,384	-23.08	1 U	8.58	Deleted
MW-310 (12.60)	2/4/2004	871,711	258,369	-29.00	1 U	8.57	Deleted
MW-310 (2.60)	2/4/2004	871,706	258,355	-35.00	1 U	8.57	Deleted
MW-310 (-7.40)	2/4/2004	871,700	258,339	-40.89	1.2	8.57	Deleted
MW-310 (-47.40)	2/4/2004	871,431	257,910	-57.79	1 U	8.57	Deleted
MW-310 (-57.40)	2/5/2004	871,336	257,895	-64.33	1 U	8.57	Deleted
MW-310 (-67.40)	2/5/2004	871,634	258,216	-86.90	1 U	8.57	Deleted
MW-310 (-77.40)	2/5/2004	871,619	258,199	-92.78	1 U	8.57	Deleted
MW-310 (-87.40)	2/5/2004	871,598	258,158	-97.65	1 U	8.57	Deleted
MW-310 (-97.40)	2/5/2004	871,583	258,128	-103.08	1 U	8.57	Deleted
MW-310 (-117.40)	2/10/2004	871,265	257,768	-119.99	1 U	8.56	Deleted
MW-310 (-137.40)	2/10/2004	871,258	257,771	-138.53	1 U	8.56	Deleted
MW-310 (-147.40)	2/10/2004	871,256	257,769	-148.31	1 U	8.56	Deleted
MW-310 (-157.40)	2/11/2004	871,255	257,769	-158.00	1 U	8.55	Deleted
MW-319 (60.62)	2/25/2004	871,652	257,047	-0.16	1 U	8.52	Deleted
MW-319 (50.62)	2/25/2004	871,645	257,045	-6.85	1 U	8.52	Deleted
MW-319 (40.62)	2/26/2004	871,636	257,043	-13.60	1 U	8.51	Deleted
MW-319 (30.62)	2/26/2004	871,627	257,040	-20.40	1 U	8.51	Deleted
MW-319 (20.62)	2/26/2004	871,617	257,038	-27.38	1 U	8.51	Deleted
MW-319 (10.62)	2/26/2004	871,605	257,035	-34.59	1 U	8.51	Deleted
MW-319 (-69.38)	3/2/2004	871,442	256,964	-84.98	1 U	8.50	Deleted
MW-319 (-79.38)	3/2/2004	871,417	256,959	-92.00	1 U	8.50	Deleted
MW-319 (-89.38)	3/2/2004	871,397	256,955	-99.26	1 U	8.50	Deleted
MW-319 (-99.38)	3/3/2004	871,377	256,951	-106.38	1 U	8.50	Deleted
MW-319 (-119.38)	3/3/2004	871,053	256,891	-120.78	1 U	8.50	Deleted

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-319 (-129.38)	3/4/2004	871,052	256,890	-130.53	1 U	8.49	Deleted
MW-319 (-139.38)	3/4/2004	871,051	256,891	-140.30	1 U	8.49	Deleted
MW-319 (-149.38)	3/5/2004	871,049	256,891	-150.09	1 U	8.49	Deleted
MW-319 (-159.38)	3/8/2004	871,049	256,891	-159.86	1 U	8.48	Deleted
MW-319M1	2/24/2009	871,103	256,915	-56.94	1 U	3.52	Deleted
MW-319M1	9/14/2009	871,075	256,907	-55.37	1 U	2.96	Deleted
MW-319M1	10/4/2011	871,032	256,895	-48.37	0.36	0.91	Deleted
MW-319M1	2/27/2012	871,025	256,892	-46.67	0.334	0.51	Deleted
MW-319M1	8/14/2012	871,017	256,889	-44.87	0.293	0.05	Deleted
MW-319M2	9/14/2009	871,195	256,961	-26.29	1 U	2.96	Deleted
MW-319M2	10/4/2011	871,073	256,911	-14.80	1.62	0.91	Deleted
MW-319M2	8/14/2012	871,019	256,891	-9.86	0.772	0.05	Deleted
MW-319S	5/11/2004	871,636	257,045	2.20	1 U	8.31	Deleted
MW-319S	9/14/2004	871,607	257,041	4.20	1 U	7.96	Deleted
MW-319S	1/19/2005	871,578	257,036	6.09	1 U	7.62	Deleted
MW-319S	10/12/2005	871,517	257,027	10.00	1 U	6.89	Deleted
MW-319S	2/1/2006	871,492	257,023	11.90	1 U	6.58	Deleted
MW-321 (-66.62)	3/18/2004	870,319	258,297	-71.18	1 U	8.46	Deleted
MW-321 (-76.62)	3/19/2004	870,276	258,252	-81.04	1 U	8.45	Deleted
MW-321 (-86.62)	3/22/2004	870,243	258,216	-89.98	1 U	8.45	Deleted
MW-321 (-96.62)	3/22/2004	870,211	258,180	-98.27	1 U	8.45	Deleted
MW-321 (-106.62)	3/22/2004	870,184	258,152	-109.01	1 U	8.45	Deleted
MW-321 (-116.62)	3/22/2004	869,904	257,831	-117.24	1 U	8.45	Deleted
MW-321 (-126.62)	3/22/2004	869,901	257,827	-126.87	1 U	8.45	Deleted
MW-321 (-136.62)	3/22/2004	869,899	257,825	-136.62	1 U	8.45	Deleted
MW-321M1	9/17/2009	870,081	258,024	-20.25	1 U	2.96	Deleted
MW-321M2	4/12/2007	870,342	258,298	-16.24	1 U	5.39	Deleted
MW-321M2	9/17/2009	870,092	258,036	-3.84	1 U	2.96	Deleted
MW-321M2	9/16/2010	870,014	257,950	0.87	0.086	1.96	Deleted
MW-321M2	10/20/2011	869,935	257,864	7.21	0.213	0.87	Deleted
MW-324 (44.08)	3/25/2004	872,297	259,993	-24.49	1 U	8.44	Deleted
MW-324 (34.08)	3/25/2004	872,288	259,975	-32.42	1 U	8.44	Deleted
MW-324 (24.08)	3/26/2004	872,276	259,954	-40.19	1 U	8.43	Deleted
MW-324 (14.08)	3/29/2004	872,261	259,930	-48.10	1 U	8.43	Deleted
MW-324 (4.08)	3/29/2004	872,243	259,901	-56.58	1 U	8.43	Deleted
MW-324 (-5.92)	3/29/2004	872,219	259,863	-65.20	1 U	8.43	Deleted
MW-324 (-15.92)	3/30/2004	872,190	259,818	-74.02	1 U	8.42	Deleted
MW-324 (-25.92)	3/30/2004	872,129	259,739	-86.59	1 U	8.42	Deleted
MW-324 (-135.92)	4/5/2004	871,730	259,031	-134.55	1 U	8.41	Deleted
MW-324 (-155.92)	4/5/2004	871,745	259,013	-155.44	1 U	8.41	Deleted
MW-324 (-165.92)	4/5/2004	871,748	259,012	-165.70	1 U	8.41	Deleted
MW-334 (52.49)	5/24/2004	873,849	260,994	-7.44	1 U	8.27	Deleted
MW-334 (42.49)	5/24/2004	873,840	260,975	-14.54	1 U	8.27	Deleted
MW-334 (32.49)	5/24/2004	873,829	260,954	-21.75	1 U	8.27	Deleted
MW-334 (22.49)	5/24/2004	873,817	260,930	-29.00	1 U	8.27	Deleted
MW-334 (12.49)	5/24/2004	873,803	260,903	-36.26	1 U	8.27	Deleted
MW-334 (2.49)	5/24/2004	873,788	260,875	-43.62	1 U	8.27	Deleted
MW-334 (-7.51)	5/25/2004	873,772	260,844	-50.96	1 U	8.27	Deleted
MW-334 (-17.51)	5/25/2004	873,754	260,808	-58.40	1 U	8.27	Deleted
MW-334 (-27.51)	5/25/2004	873,730	260,765	-65.90	1 U	8.27	Deleted
MW-334 (-37.51)	5/25/2004	873,703	260,716	-73.48	1 U	8.27	Deleted
MW-334 (-47.51)	5/25/2004	873,672	260,660	-81.36	1 U	8.27	Deleted
MW-334 (-57.51)	5/25/2004	873,638	260,600	-89.18	1 U	8.27	Deleted
MW-334 (-67.51)	5/25/2004	873,606	260,545	-97.02	1 U	8.27	Deleted
MW-334 (-77.51)	5/25/2004	873,574	260,492	-104.84	1 U	8.27	Deleted
MW-334 (-87.51)	5/25/2004	873,545	260,445	-112.53	1 U	8.27	Deleted
MW-334 (-97.51)	5/25/2004	873,517	260,400	-120.11	1 U	8.27	Deleted
MW-334 (-107.51)	5/26/2004	873,497	260,367	-127.90	1 U	8.27	Deleted
MW-334 (-117.51)	5/26/2004	873,475	260,330	-135.56	0.44 J	8.27	Deleted
MW-334 (-127.51)	5/26/2004	873,453	260,259	-143.34	1 U	8.27	Deleted
MW-334 (-137.51)	5/26/2004	873,055	259,720	-138.94	1 U	8.27	Deleted
MW-334 (-147.51)	5/26/2004	873,052	259,716	-148.61	1 U	8.27	Deleted
MW-334M1	7/12/2004	873,468	260,319	-135.48	0.43 J	8.14	Deleted
MW-334M1	11/23/2004	873,449	260,288	-135.00	0.58 J	7.77	Deleted
MW-334M1	4/4/2005	873,431	260,258	-134.73	0.62 J	7.41	Deleted
MW-334M1	10/31/2005	873,400	260,211	-134.06	0.5 J	6.84	Deleted
MW-334M1	1/31/2006	873,387	260,190	-133.67	0.52 J	6.58	Deleted
MW-334M1	4/4/2006	873,377	260,177	-133.50	0.57 J	6.41	Deleted
MW-334M1	4/6/2007	873,321	260,100	-131.08	0.57 J	5.41	Deleted
MW-334M1	4/21/2008	873,258	260,011	-126.39	1 U	4.36	Deleted
MW-334M1	9/3/2009	873,177	259,896	-124.07	1 U	2.99	Deleted
MW-334M1	9/30/2010	873,116	259,810	-121.83	0.233	1.92	Deleted

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-334M1	10/12/2011	873,060	259,730	-119.46	0.17	0.89	Deleted
MW-334M1	8/16/2012	873,015	259,666	-117.55	0.116	0.04	Deleted
MW-334M2	7/12/2004	873,778	260,854	-43.09	1 U	8.14	Deleted
MW-334M2	11/23/2004	873,748	260,797	-41.57	1 U	7.77	Deleted
MW-334M2	4/4/2005	873,720	260,741	-40.07	1 U	7.41	Deleted
MW-334M2	10/31/2005	873,673	260,652	-37.62	1 U	6.84	Deleted
MW-334M2	1/31/2006	873,652	260,613	-36.45	1 U	6.58	Deleted
MW-334M2	4/4/2006	873,637	260,587	-35.71	1 U	6.41	Deleted
MW-334M2	4/6/2007	873,546	260,432	-30.96	1 U	5.41	Deleted
MW-334M2	4/21/2008	873,440	260,273	-25.70	1 U	4.36	Deleted
MW-335 (57.52)	6/8/2004	872,103	260,862	-43.50	1 U	8.23	Deleted
MW-335 (47.52)	6/8/2004	872,103	260,837	-54.58	1 U	8.23	Deleted
MW-335 (37.52)	6/8/2004	872,102	260,812	-64.27	1 U	8.23	Deleted
MW-335 (27.52)	6/8/2004	872,097	260,786	-71.95	1 U	8.23	Deleted
MW-335 (17.52)	6/8/2004	872,086	260,762	-77.46	1 U	8.23	Deleted
MW-335 (7.52)	6/8/2004	872,068	260,737	-81.42	1 U	8.23	Deleted
MW-335 (-2.48)	6/8/2004	872,038	260,709	-83.63	1 U	8.23	Deleted
MW-335 (-12.48)	6/8/2004	871,995	260,670	-84.88	1 U	8.23	Deleted
MW-335 (-22.48)	6/9/2004	871,937	260,608	-86.26	1 U	8.23	Deleted
MW-335 (-32.48)	6/9/2004	871,868	260,522	-88.07	1 U	8.23	Deleted
MW-335 (-52.48)	6/9/2004	871,657	259,989	-100.80	1 U	8.23	Deleted
MW-335 (-62.48)	6/9/2004	871,740	260,193	-99.69	1 U	8.23	Deleted
MW-335 (-72.48)	6/10/2004	871,722	260,165	-103.65	1 U	8.23	Deleted
MW-335 (-92.48)	6/10/2004	871,711	260,167	-112.19	1 U	8.23	Deleted
MW-335 (-102.48)	6/10/2004	871,684	260,115	-117.53	1 U	8.23	Deleted
MW-335 (-112.48)	6/10/2004	871,660	260,069	-123.49	1 U	8.23	Deleted
MW-335 (-122.48)	6/10/2004	871,300	259,656	-124.43	1 U	8.23	Deleted
MW-335 (-132.48)	6/10/2004	871,250	259,621	-133.15	1 U	8.23	Deleted
MW-335 (-152.48)	6/11/2004	871,223	259,634	-152.84	1 U	8.22	Deleted
MW-335 (-162.48)	6/11/2004	871,219	259,639	-162.60	1 U	8.22	Deleted
MW-335 (-168.98)	6/11/2004	871,219	259,639	-168.99	1 U	8.22	Deleted
MW-335M1	10/12/2011	871,366	259,469	-89.74	0.268	0.89	Deleted
MW-335M1	8/28/2012	871,195	259,608	-83.12	0.206	0.01	Deleted
MW-335M2	12/16/2004	871,719	260,160	-93.43	0.35 J	7.71	Deleted
MW-335M2	11/3/2005	871,588	259,848	-103.14	1 U	6.83	Deleted
MW-335M2	1/18/2006	871,538	259,664	-109.62	1 U	6.62	Deleted
MW-335M2	3/15/2011	871,379	259,496	-74.75	0.233	1.47	Deleted
MW-335M2	10/12/2011	871,286	259,604	-79.50	0.26	0.89	Deleted
MW-335M2	2/28/2012	871,247	259,616	-69.34	0.268	0.51	Deleted
MW-335M2	8/28/2012	871,194	259,609	-43.22	0.236	0.01	Deleted
MW-335M3	8/16/2004	872,085	260,822	-44.77	1 U	8.04	Deleted
MW-335M3	12/16/2004	872,049	260,766	-35.74	1 U	7.71	Deleted
MW-335M3	4/14/2005	872,009	260,701	-26.14	1 U	7.38	Deleted
MW-335M3	11/28/2005	871,929	260,542	-11.04	1 U	6.76	Deleted
MW-335M3	1/19/2006	871,912	260,501	-8.68	1 U	6.62	Deleted
MW-336 (58.71)	6/16/2004	870,640	255,855	7.86	1 U	8.21	Deleted
MW-336 (48.71)	6/16/2004	870,635	255,857	2.48	1 U	8.21	Deleted
MW-336 (38.71)	6/16/2004	870,630	255,860	-2.92	1 U	8.21	Deleted
MW-336 (28.71)	6/16/2004	870,624	255,863	-8.36	1 U	8.21	Deleted
MW-336 (18.71)	6/16/2004	870,617	255,866	-13.83	1 U	8.21	Deleted
MW-336 (8.71)	6/16/2004	870,609	255,871	-19.14	1 U	8.21	Deleted
MW-336 (-1.29)	6/16/2004	870,599	255,876	-24.69	1 U	8.21	Deleted
MW-336 (-11.29)	6/16/2004	870,588	255,881	-30.29	1 U	8.21	Deleted
MW-336 (-21.29)	6/16/2004	870,578	255,886	-35.69	1 U	8.21	Deleted
MW-336 (-31.29)	6/16/2004	870,565	255,893	-41.29	1 U	8.21	Deleted
MW-336 (-41.29)	6/17/2004	870,541	255,916	-46.93	1 U	8.21	Deleted
MW-336 (-51.29)	6/17/2004	870,168	256,045	-58.17	1 U	8.21	Deleted
MW-336 (-61.29)	6/17/2004	870,164	256,045	-67.55	1 U	8.21	Deleted
MW-336 (-71.29)	6/17/2004	870,159	256,045	-76.51	1 U	8.21	Deleted
MW-336 (-81.29)	6/17/2004	870,154	256,046	-86.00	1 U	8.21	Deleted
MW-336 (-91.29)	6/21/2004	870,149	256,046	-95.59	1 U	8.20	Deleted
MW-336 (-111.29)	6/21/2004	870,135	256,062	-116.21	1 U	8.20	Deleted
MW-336 (-121.29)	6/21/2004	870,126	256,061	-123.24	1 U	8.20	Deleted
MW-336 (-131.29)	6/21/2004	870,124	256,059	-132.71	1 U	8.20	Deleted
MW-336 (-141.29)	6/22/2004	870,122	256,059	-142.45	1 U	8.19	Deleted
MW-336 (-151.29)	6/22/2004	870,121	256,059	-152.21	1 U	8.19	Deleted
MW-336D	8/17/2004	870,120	256,059	-157.09	1 U	8.04	Deleted
MW-336D	12/22/2004	870,119	256,060	-157.08	1 U	7.69	Deleted
MW-336D	4/18/2005	870,118	256,060	-157.02	1 U	7.37	Deleted
MW-336M1	8/17/2004	870,612	255,869	-7.83	1 U	8.04	Deleted
MW-336M1	12/22/2004	870,588	255,880	-6.59	1 U	7.69	Deleted
MW-336M1	4/19/2005	870,566	255,890	-5.52	1 U	7.37	Deleted

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-336M1	4/6/2006	870,499	255,919	-2.11	1 U	6.41	Deleted
MW-339 (48.84)	6/24/2004	871,331	259,728	-34.90	1 U	8.19	Deleted
MW-339 (38.84)	6/24/2004	871,293	259,671	-73.62	1 U	8.19	Deleted
MW-339 (28.84)	6/25/2004	871,297	259,634	-89.00	1 U	8.18	Deleted
MW-339 (18.84)	6/25/2004	871,281	259,611	-95.29	1 U	8.18	Deleted
MW-339 (8.84)	6/25/2004	871,291	259,567	-101.53	1 U	8.18	Deleted
MW-339 (-1.16)	6/25/2004	871,140	259,608	-94.42	1 U	8.18	Deleted
MW-339 (-11.16)	6/28/2004	871,011	259,597	-84.19	1 U	8.18	Deleted
MW-339 (-21.16)	6/28/2004	871,059	259,529	-92.64	1 U	8.18	Deleted
MW-339 (-81.16)	6/28/2004	870,667	259,287	-97.39	1 U	8.18	Deleted
MW-339 (-91.16)	6/29/2004	870,663	259,291	-103.37	1 U	8.17	Deleted
MW-339 (-101.16)	6/29/2004	870,654	259,291	-109.14	1 U	8.17	Deleted
MW-339 (-111.16)	6/29/2004	870,635	259,286	-111.75	1 U	8.17	Deleted
MW-339 (-121.16)	6/29/2004	870,601	259,249	-116.75	1 U	8.17	Deleted
MW-339 (-131.16)	6/29/2004	870,542	259,205	-127.98	1 U	8.17	Deleted
MW-339 (-141.16)	6/30/2004	870,430	259,073	-141.68	1 U	8.17	Deleted
MW-339 (-151.16)	6/30/2004	870,431	259,074	-151.82	1 U	8.17	Deleted
MW-339 (-158.16)	6/30/2004	870,431	259,074	-158.74	1 U	8.17	Deleted
MW-342 (59.93)	7/13/2004	871,116	256,722	1.25	1 U	8.14	Deleted
MW-342 (49.93)	7/13/2004	871,111	256,722	-5.02	1 U	8.14	Deleted
MW-342 (39.93)	7/13/2004	871,106	256,721	-11.40	1 U	8.14	Deleted
MW-342 (29.93)	7/13/2004	871,101	256,721	-17.90	1 U	8.14	Deleted
MW-342 (19.93)	7/13/2004	871,095	256,721	-24.51	1 U	8.14	Deleted
MW-342 (9.93)	7/13/2004	871,088	256,721	-30.98	1 U	8.14	Deleted
MW-342 (-0.07)	7/13/2004	871,079	256,721	-37.38	1 U	8.14	Deleted
MW-342 (-10.07)	7/13/2004	871,069	256,720	-42.91	1 U	8.14	Deleted
MW-342 (-20.07)	7/13/2004	871,021	256,713	-48.98	1 U	8.14	Deleted
MW-342 (-30.07)	7/14/2004	870,829	256,656	-41.63	1 U	8.13	Deleted
MW-342 (-40.07)	7/15/2004	870,609	256,625	-46.74	1 U	8.13	Deleted
MW-342 (-50.07)	7/15/2004	870,609	256,625	-55.82	1 U	8.13	Deleted
MW-342 (-60.07)	7/15/2004	870,605	256,625	-64.79	1 U	8.13	Deleted
MW-342 (-70.07)	7/15/2004	870,602	256,625	-73.75	1 U	8.13	Deleted
MW-342 (-80.07)	7/15/2004	870,598	256,624	-82.76	1 U	8.13	Deleted
MW-342 (-90.07)	7/15/2004	870,595	256,622	-91.87	1 U	8.13	Deleted
MW-342 (-100.07)	7/15/2004	870,592	256,620	-101.01	1 U	8.13	Deleted
MW-342 (-110.07)	7/19/2004	870,525	256,607	-110.38	1 U	8.12	Deleted
MW-342 (-120.07)	7/20/2004	870,559	256,601	-120.79	1 U	8.12	Deleted
MW-342 (-130.07)	7/20/2004	870,557	256,603	-131.17	1 U	8.12	Deleted
MW-342 (-140.07)	7/20/2004	870,555	256,603	-141.23	1 U	8.12	Deleted
MW-342 (-150.07)	7/21/2004	870,552	256,604	-151.14	1 U	8.11	Deleted
MW-342 (-160.07)	7/21/2004	870,552	256,604	-160.98	1 U	8.11	Deleted
MW-342M1	9/13/2004	870,607	256,625	-54.81	1 U	7.97	Deleted
MW-342M1	1/13/2005	870,603	256,625	-54.58	1 U	7.63	Deleted
MW-342M1	3/28/2005	870,601	256,624	-54.19	1 U	7.43	Deleted
MW-342M1	11/10/2005	870,594	256,623	-54.00	1 U	6.81	Deleted
MW-342M1	10/11/2006	870,583	256,621	-53.35	1 U	5.89	Deleted
MW-342M1	4/11/2007	870,578	256,621	-52.35	1 U	5.39	Deleted
MW-342M1	5/6/2008	870,566	256,619	-51.92	1 U	4.32	Deleted
MW-342M1	9/14/2009	870,552	256,616	-50.93	1 U	2.96	Deleted
MW-342M1	10/4/2010	870,541	256,612	-49.73	0.0489 J	1.91	Deleted
MW-342M1	10/11/2011	870,531	256,609	-49.40	0.052	0.89	Deleted
MW-342M1	8/22/2012	870,522	256,607	-48.79	0.068	0.03	Deleted
MW-342M2	9/13/2004	871,019	256,714	-47.65	1 U	7.97	Deleted
MW-342M2	1/13/2005	871,003	256,713	-46.64	1 U	7.63	Deleted
MW-342M2	3/28/2005	870,996	256,714	-45.43	1 U	7.43	Deleted
MW-342M2	11/10/2005	870,962	256,716	-40.85	1 U	6.81	Deleted
MW-342S	9/13/2004	871,102	256,721	1.48	1 U	7.97	Deleted
MW-342S	1/13/2005	871,076	256,719	3.97	1 U	7.63	Deleted
MW-342S	3/28/2005	871,060	256,717	5.56	1 U	7.43	Deleted
MW-342S	11/10/2005	871,011	256,711	10.13	1 U	6.81	Deleted
MW-351 (49.83)	9/16/2004	872,645	262,962	-6.88	1 U	7.96	Deleted
MW-351 (39.83)	9/16/2004	872,636	262,935	-13.84	1 U	7.96	Deleted
MW-351 (29.83)	9/16/2004	872,626	262,905	-20.84	1 U	7.96	Deleted
MW-351 (19.83)	9/16/2004	872,615	262,871	-27.85	1 U	7.96	Deleted
MW-351 (9.83)	9/16/2004	872,603	262,834	-34.95	1 U	7.96	Deleted
MW-351 (-0.17)	9/16/2004	872,588	262,792	-42.08	1 U	7.96	Deleted
MW-351 (-10.17)	9/16/2004	872,574	262,748	-49.31	1 U	7.96	Deleted
MW-351 (-20.17)	9/16/2004	872,558	262,701	-56.56	1 U	7.96	Deleted
MW-351 (-30.17)	9/16/2004	872,538	262,643	-63.96	1 U	7.96	Deleted
MW-351 (-40.17)	9/17/2004	872,514	262,572	-71.44	1 U	7.96	Deleted
MW-351 (-50.17)	9/17/2004	872,485	262,487	-79.11	1 U	7.96	Deleted
MW-351 (-60.17)	9/17/2004	872,454	262,400	-86.90	1 U	7.96	Deleted

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-351 (-70.17)	9/17/2004	872,425	262,318	-94.84	1 U	7.96	Deleted
MW-351 (-80.17)	9/20/2004	872,398	262,241	-102.83	1 U	7.95	Deleted
MW-351 (-90.17)	9/20/2004	872,373	262,171	-110.86	1 U	7.95	Deleted
MW-351 (-100.17)	9/20/2004	872,350	262,108	-118.90	1 U	7.95	Deleted
MW-351 (-110.17)	9/20/2004	872,330	262,052	-126.81	1 U	7.95	Deleted
MW-351 (-120.17)	9/20/2004	872,309	261,996	-134.59	1 U	7.95	Deleted
MW-351 (-130.17)	9/20/2004	872,290	261,944	-142.48	1 U	7.95	Deleted
MW-351 (-140.17)	9/20/2004	872,270	261,899	-150.85	1 U	7.95	Deleted
MW-351 (-150.17)	9/20/2004	872,163	261,645	-159.32	1 U	7.95	Deleted
MW-351 (-160.17)	9/21/2004	871,950	261,177	-160.62	1 U	7.94	Deleted
MW-351 (-170.17)	9/21/2004	871,951	261,177	-170.16	1 U	7.94	Deleted
MW-351M1	11/18/2004	872,293	261,953	-137.09	1 U	7.79	Deleted
MW-351M1	3/29/2005	872,276	261,910	-136.63	1 U	7.43	Deleted
MW-351M1	7/26/2005	872,261	261,871	-136.26	1 U	7.10	Deleted
MW-351M1 (-125.17)	3/27/2006	872,229	261,787	-136.87	1 U	6.43	Deleted
MW-351M1 (-120.17)	10/4/2006	872,216	261,747	-132.17	0.37 J	5.91	Deleted
MW-351M1 (-123.81)	4/9/2007	872,185	261,663	-135.18	1 U	5.40	Deleted
MW-351M1	9/24/2007	872,166	261,606	-135.00	1 U	4.94	Deleted
MW-351M1	4/11/2008	872,145	261,536	-135.23	1 U	4.39	Deleted
MW-351M1	11/3/2008	872,120	261,474	-134.76	1 U	3.83	Deleted
MW-351M1	2/20/2009	872,106	261,444	-134.29	1 U	3.53	Deleted
MW-351M1	9/2/2009	872,081	261,393	-133.38	1 U	3.00	Deleted
MW-351M1	3/4/2010	872,057	261,346	-131.99	0.145	2.50	Deleted
MW-351M1	10/4/2010	872,027	261,290	-129.63	0.253	1.91	Deleted
MW-351M1	3/16/2011	872,001	261,246	-127.51	0.188	1.46	Deleted
MW-351M1	10/12/2011	871,966	261,191	-125.84	0.153	0.89	Deleted
MW-351M1	2/29/2012	871,942	261,155	-124.90	0.133	0.51	Deleted
MW-351M1	8/16/2012	871,912	261,113	-123.84	0.125	0.04	Deleted
MW-351M2	11/18/2004	872,392	262,226	-101.36	1 U	7.79	Deleted
MW-351M2	3/29/2005	872,373	262,171	-100.47	1 U	7.43	Deleted
MW-351M2	7/26/2005	872,355	262,122	-99.68	1 U	7.10	Deleted
MW-351M2	2/1/2006	872,324	262,035	-99.45	1 U	6.58	Deleted
MW-351M2	3/27/2006	872,317	262,012	-99.03	1 U	6.43	Deleted
MW-351M2	10/4/2006	872,288	261,931	-97.90	1 U	5.91	Deleted
MW-351M2	4/9/2007	872,261	261,852	-95.92	1 U	5.40	Deleted
MW-351M2	9/24/2007	872,235	261,775	-95.27	1 U	4.94	Deleted
MW-351M2	4/11/2008	872,206	261,682	-95.09	1 U	4.39	Deleted
MW-351M2	11/3/2008	872,173	261,598	-94.17	1 U	3.83	Deleted
MW-351M2	2/20/2009	872,155	261,558	-93.39	1 UJ	3.53	Deleted
MW-351M2	9/2/2009	872,123	261,489	-91.86	1 U	3.00	Deleted
MW-351M2	3/4/2010	872,091	261,424	-90.23	0.0369 J	2.50	Deleted
MW-351M2	10/4/2010	872,052	261,348	-88.01	0.107	1.91	Deleted
MW-351M2	3/16/2011	872,022	261,292	-85.79	0.064	1.46	Deleted
MW-351M2	10/12/2011	871,980	261,219	-83.16	0.036 J	0.89	Deleted
MW-351M2	8/16/2012	871,913	261,114	-79.07	0.02 J	0.04	Deleted
MW-354 (52.52)	9/21/2004	873,334	261,833	-6.48	1 U	7.94	Deleted
MW-354 (42.52)	9/21/2004	873,324	261,811	-13.87	1 U	7.94	Deleted
MW-354 (32.52)	9/22/2004	873,313	261,786	-21.37	1 U	7.94	Deleted
MW-354 (22.52)	9/22/2004	873,300	261,759	-28.87	1 U	7.94	Deleted
MW-354 (12.52)	9/22/2004	873,286	261,729	-36.46	1 U	7.94	Deleted
MW-354 (2.52)	9/22/2004	873,270	261,696	-44.31	1 U	7.94	Deleted
MW-354 (-7.48)	9/22/2004	873,252	261,659	-52.10	1 U	7.94	Deleted
MW-354 (-17.48)	9/22/2004	873,231	261,618	-59.94	1 U	7.94	Deleted
MW-354 (-27.48)	9/23/2004	873,207	261,568	-67.89	1 U	7.94	Deleted
MW-354 (-37.48)	9/23/2004	873,179	261,512	-75.72	1 U	7.94	Deleted
MW-354 (-47.48)	9/23/2004	873,146	261,447	-83.85	1 U	7.94	Deleted
MW-354 (-57.48)	9/23/2004	873,109	261,376	-92.12	1 U	7.94	Deleted
MW-354 (-67.48)	9/23/2004	873,075	261,314	-100.51	1 U	7.94	Deleted
MW-354 (-77.48)	9/24/2004	873,042	261,255	-109.08	1 U	7.94	Deleted
MW-354 (-87.48)	9/24/2004	873,011	261,202	-117.80	1 U	7.94	Deleted
MW-354 (-97.48)	9/24/2004	872,980	261,151	-125.96	1 U	7.94	Deleted
MW-354 (-107.48)	9/24/2004	872,954	261,107	-133.74	1 U	7.94	Deleted
MW-354 (-117.48)	9/27/2004	872,925	261,059	-141.86	1 U	7.93	Deleted
MW-354 (-127.48)	9/27/2004	872,898	261,016	-149.25	1 U	7.93	Deleted
MW-354 (-137.48)	9/27/2004	872,870	260,973	-156.67	1 U	7.93	Deleted
MW-354 (-147.48)	9/27/2004	872,788	260,824	-160.93	1 U	7.93	Deleted
MW-354 (-156.73)	9/28/2004	872,619	260,360	-157.56	1 U	7.92	Deleted
MW-354M1	11/18/2004	872,949	261,102	-131.98	1 U	7.79	Deleted
MW-354M1	3/29/2005	872,923	261,069	-132.22	1 U	7.43	Deleted
MW-354M1 (-104.50)	7/27/2005	872,898	261,039	-132.92	1 U	7.10	Deleted
MW-354M1 (-109.98)	2/9/2006	872,840	260,968	-138.52	1 U	6.56	Deleted
MW-354M1	4/3/2006	872,828	260,956	-138.89	1 U	6.41	Deleted

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-354M1 (-109.98)	10/5/2006	872,785	260,914	-140.23	0.36 J	5.91	Deleted
MW-354M1 (-104.50)	4/6/2007	872,746	260,886	-138.33	1 U	5.41	Deleted
MW-354M1	9/19/2007	872,701	260,847	-140.52	1 U	4.95	Deleted
MW-354M1	4/9/2008	872,647	260,801	-141.32	1 U	4.40	Deleted
MW-354M1	10/31/2008	872,623	260,752	-139.85	1 U	3.83	Deleted
MW-354M1	2/23/2009	872,624	260,721	-138.17	1 U	3.52	Deleted
MW-354M1	9/3/2009	872,628	260,667	-135.39	1 UJ	2.99	Deleted
MW-354M1	3/4/2010	872,631	260,611	-132.55	0.061	2.50	Deleted
MW-354M1	9/30/2010	872,633	260,539	-128.72	0.118	1.92	Deleted
MW-354M1	3/15/2011	872,631	260,480	-124.99	0.121	1.47	Deleted
MW-354M1	10/19/2011	872,623	260,404	-118.20	0.181	0.87	Deleted
MW-354M1	2/29/2012	872,615	260,359	-113.13	0.118	0.51	Deleted
MW-354M1	8/29/2012	872,600	260,300	-104.62	0.108	0.01	Deleted
MW-354M2	11/18/2004	873,072	261,311	-98.43	1 U	7.79	Deleted
MW-354M2	3/29/2005	873,043	261,266	-99.29	1 U	7.43	Deleted
MW-354M2	7/27/2005	873,016	261,225	-100.20	1 U	7.10	Deleted
MW-354M2	2/9/2006	872,966	261,158	-103.18	1 U	6.56	Deleted
MW-354M2	4/3/2006	872,951	261,139	-103.77	1 U	6.41	Deleted
MW-354M2	10/5/2006	872,897	261,074	-108.03	1 U	5.91	Deleted
MW-354M2	4/6/2007	872,834	261,009	-113.22	1 U	5.41	Deleted
MW-354M2	9/19/2007	872,774	260,947	-118.55	1 U	4.95	Deleted
MW-354M2	4/9/2008	872,696	260,868	-124.88	1 U	4.40	Deleted
MW-354M2	10/31/2008	872,659	260,800	-125.71	1 U	3.83	Deleted
MW-354M2	2/23/2009	872,657	260,769	-123.88	1 U	3.52	Deleted
MW-354M2	9/3/2009	872,657	260,712	-120.38	1 U	2.99	Deleted
MW-354M2	3/4/2010	872,657	260,653	-116.57	0.116	2.50	Deleted
MW-354M2	9/30/2010	872,657	260,576	-111.29	0.062	1.92	Deleted
MW-354M2	3/15/2011	872,653	260,511	-105.53	0.046 J	1.47	Deleted
MW-354M2	10/19/2011	872,640	260,421	-93.96	0.035 J	0.87	Deleted
MW-354M2	8/29/2012	872,600	260,300	-65.24	0.025 J	0.01	Deleted
MW-355 (45.36)	10/20/2004	874,064	254,444	4.06	1 U	7.86	Deleted
MW-355 (35.36)	10/20/2004	874,049	254,457	-0.10	1 U	7.86	Deleted
MW-355 (25.36)	10/20/2004	874,024	254,532	-2.56	1 U	7.86	Deleted
MW-355 (15.36)	10/20/2004	872,597	255,659	12.22	1 U	7.86	Deleted
MW-355 (5.36)	10/20/2004	873,125	255,289	-14.16	1 U	7.86	Deleted
MW-355 (-4.64)	10/20/2004	872,761	255,550	-5.34	1 U	7.86	Deleted
MW-355 (-14.64)	10/21/2004	872,561	255,684	-15.00	1 U	7.86	Deleted
MW-355 (-24.64)	10/21/2004	872,561	255,684	-24.96	1 U	7.86	Deleted
MW-355 (-34.64)	10/21/2004	872,561	255,684	-34.96	1 U	7.86	Deleted
MW-355 (-44.64)	10/21/2004	872,732	255,563	-45.16	1 U	7.86	Deleted
MW-355 (-54.64)	10/21/2004	872,726	255,567	-55.45	1 U	7.86	Deleted
MW-355 (-64.64)	10/22/2004	872,712	255,577	-65.68	1 U	7.86	Deleted
MW-355 (-74.64)	10/22/2004	872,706	255,582	-75.87	1 U	7.86	Deleted
MW-355 (-84.64)	10/22/2004	872,694	255,591	-85.98	1 U	7.86	Deleted
MW-355 (-94.64)	10/22/2004	872,688	255,595	-96.04	1 U	7.86	Deleted
MW-355 (-104.64)	10/25/2004	872,681	255,600	-106.06	1 U	7.85	Deleted
MW-355 (-114.64)	10/25/2004	872,626	255,640	-116.07	1 U	7.85	Deleted
MW-355 (-124.64)	10/25/2004	872,622	255,643	-125.93	1 U	7.85	Deleted
MW-355 (-134.64)	10/25/2004	872,618	255,646	-135.75	1 U	7.85	Deleted
MW-355 (-144.64)	10/26/2004	872,617	255,648	-145.43	1 U	7.85	Deleted
MW-355 (-154.64)	10/27/2004	872,562	255,682	-155.03	1 U	7.85	Deleted
MW-355M1	12/20/2004	872,709	255,580	-68.21	1 U	7.70	Deleted
MW-355M1	3/30/2005	872,704	255,583	-68.18	1 U	7.42	Deleted
MW-355M1	8/2/2005	872,697	255,588	-68.13	1 U	7.08	Deleted
MW-355M1	9/14/2009	872,614	255,646	-67.57	1 U	2.96	Deleted
MW-355M1	10/7/2010	872,594	255,661	-67.41	0.102	1.90	Deleted
MW-355M1	10/6/2011	872,574	255,674	-67.27	0.089	0.91	Deleted
MW-355M1	8/22/2012	872,557	255,686	-67.14	0.045 J	0.03	Deleted
MW-355S	12/20/2004	874,044	254,463	10.79	1 U	7.70	Deleted
MW-355S	3/30/2005	873,976	254,525	12.16	1 U	7.42	Deleted
MW-355S	8/2/2005	873,892	254,600	13.65	1 U	7.08	Deleted
MW-357 (57.29)	10/27/2004	874,686	260,589	-9.61	1 U	7.85	Deleted
MW-357 (47.29)	10/27/2004	874,676	260,573	-17.58	1 U	7.85	Deleted
MW-357 (37.29)	10/28/2004	874,664	260,554	-25.79	1 U	7.84	Deleted
MW-357 (27.29)	10/28/2004	874,653	260,534	-34.32	1 U	7.84	Deleted
MW-357 (17.29)	10/28/2004	874,641	260,509	-42.93	1 U	7.84	Deleted
MW-357 (7.29)	11/1/2004	874,626	260,458	-53.00	1 U	7.83	Deleted
MW-357 (-2.71)	11/2/2004	874,600	260,421	-57.87	1 U	7.83	Deleted
MW-357 (-12.71)	11/2/2004	874,443	260,185	-59.85	1 U	7.83	Deleted
MW-357 (-22.71)	11/3/2004	873,981	259,605	-36.63	1 U	7.83	Deleted
MW-357 (-32.71)	11/3/2004	873,978	259,599	-45.34	1 U	7.83	Deleted
MW-357 (-42.71)	11/3/2004	873,977	259,594	-54.06	1 U	7.83	Deleted

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-357 (-52.71)	11/3/2004	873,972	259,583	-62.93	1 U	7.83	Deleted
MW-357 (-62.71)	11/3/2004	873,968	259,574	-72.01	1 U	7.83	Deleted
MW-357 (-72.71)	11/3/2004	874,092	259,720	-81.93	1 U	7.83	Deleted
MW-357 (-82.71)	11/3/2004	874,469	260,139	-89.70	1 U	7.83	Deleted
MW-357 (-92.71)	11/3/2004	874,430	260,091	-102.35	1 U	7.83	Deleted
MW-357 (-102.71)	11/4/2004	874,392	260,046	-112.99	1 U	7.82	Deleted
MW-357 (-112.71)	11/4/2004	874,365	260,011	-123.28	1 U	7.82	Deleted
MW-357 (-122.71)	11/4/2004	874,311	259,910	-132.95	1 U	7.82	Deleted
MW-357 (-132.71)	11/4/2004	873,899	259,491	-133.17	1 U	7.82	Deleted
MW-357 (-142.71)	11/4/2004	873,897	259,478	-143.01	1 U	7.82	Deleted
MW-357 (-152.71)	11/4/2004	873,893	259,471	-152.89	1 U	7.82	Deleted
MW-357M1 (-114.71)	2/18/2005	874,345	259,989	-125.04	1 U	7.53	Deleted
MW-357M1 (-21.79)	6/16/2005	873,971	259,592	-34.83	1 U	7.21	Deleted
MW-357M1 (-112.22)	10/14/2005	874,306	259,943	-121.93	1 UJ	6.88	Deleted
MW-357M1	4/3/2006	874,274	259,907	-124.60	1 U	6.41	Deleted
MW-357M1	4/9/2007	874,212	259,836	-121.26	1 U	5.40	Deleted
MW-357M1	4/29/2008	874,143	259,761	-121.18	1 U	4.34	Deleted
MW-357M1	9/16/2010	873,983	259,588	-117.87	0.158	1.96	Deleted
MW-357M1	8/16/2012	873,853	259,431	-112.20	0.188	0.04	Deleted
MW-357M2 (-22.71)	2/18/2005	873,976	259,599	-36.16	1 U	7.53	Deleted
MW-357M2 (-112.22)	6/16/2005	874,327	259,967	-122.28	1 U	7.21	Deleted
MW-357M2 (-21.79)	10/14/2005	873,966	259,585	-34.29	1 UJ	6.88	Deleted
MW-357M2	4/3/2006	873,959	259,574	-34.37	1 U	6.41	Deleted
MW-357M2	4/9/2007	873,943	259,552	-31.73	1 U	5.40	Deleted
MW-357M2	4/29/2008	873,929	259,533	-29.86	1 U	4.34	Deleted
MW-358 (49.18)	11/4/2004	875,139	257,879	-1.73	1 U	7.82	Deleted
MW-358 (39.18)	11/4/2004	875,128	257,876	-8.03	1 U	7.82	Deleted
MW-358 (29.18)	11/5/2004	875,115	257,873	-14.34	1 U	7.82	Deleted
MW-358 (19.18)	11/5/2004	875,100	257,869	-20.67	1 U	7.82	Deleted
MW-358 (9.18)	11/5/2004	875,083	257,865	-27.06	1 U	7.82	Deleted
MW-358 (-0.82)	11/5/2004	875,063	257,860	-33.50	1 U	7.82	Deleted
MW-358 (-10.82)	11/8/2004	875,042	257,855	-39.96	1 U	7.81	Deleted
MW-358 (-20.82)	11/8/2004	875,021	257,850	-47.00	1 U	7.81	Deleted
MW-358 (-30.82)	11/8/2004	875,000	257,845	-53.65	1 U	7.81	Deleted
MW-358 (-40.82)	11/8/2004	874,970	257,838	-60.30	1 U	7.81	Deleted
MW-358 (-50.82)	11/8/2004	874,930	257,828	-67.07	1 U	7.81	Deleted
MW-358 (-60.82)	11/8/2004	874,883	257,816	-74.51	1 U	7.81	Deleted
MW-358 (-70.82)	11/9/2004	874,841	257,806	-81.55	1 U	7.81	Deleted
MW-358 (-80.82)	11/9/2004	874,797	257,795	-88.75	1 U	7.81	Deleted
MW-358 (-90.82)	11/9/2004	874,758	257,786	-96.63	1 U	7.81	Deleted
MW-358 (-100.82)	11/9/2004	874,721	257,777	-104.05	1 U	7.81	Deleted
MW-358 (-110.82)	11/10/2004	874,132	257,646	-112.35	1 U	7.81	Deleted
MW-358 (-120.82)	11/10/2004	874,130	257,646	-122.09	1 U	7.81	Deleted
MW-358 (-130.82)	11/10/2004	874,127	257,645	-131.82	1 U	7.81	Deleted
MW-358 (-140.82)	11/10/2004	874,124	257,644	-141.48	1 U	7.81	Deleted
MW-358 (-150.82)	11/11/2004	874,122	257,643	-151.11	1 U	7.80	Deleted
MW-358 (-160.82)	11/11/2004	874,071	257,634	-160.89	1 U	7.80	Deleted
MW-358M1	12/16/2004	874,819	257,800	-83.21	1 U	7.71	Deleted
MW-358M1	3/31/2005	874,793	257,793	-82.86	1 U	7.42	Deleted
MW-358M1	7/29/2005	874,762	257,785	-82.94	1 UJ	7.09	Deleted
MW-358M1	10/5/2010	874,261	257,668	-76.33	0.095	1.91	Deleted
MW-358M1	8/27/2012	874,067	257,633	-73.34	0.18	0.01	Deleted
MW-358M2	12/16/2004	875,008	257,847	-47.04	1 U	7.71	Deleted
MW-358M2	4/1/2005	874,975	257,838	-46.16	1 U	7.42	Deleted
MW-358M2	7/29/2005	874,938	257,827	-45.20	1 UJ	7.09	Deleted
MW-362 (46.93)	12/10/2004	875,353	254,694	9.04	1 U	7.73	Deleted
MW-362 (36.93)	12/13/2004	875,341	254,719	4.69	1 U	7.72	Deleted
MW-362 (26.93)	12/13/2004	875,330	254,740	0.40	1 U	7.72	Deleted
MW-362 (16.93)	12/13/2004	875,318	254,761	-3.88	1 U	7.72	Deleted
MW-362 (6.93)	12/13/2004	875,304	254,787	-8.15	1 U	7.72	Deleted
MW-362 (-3.07)	12/13/2004	875,209	255,049	-12.59	1 U	7.72	Deleted
MW-362 (-13.07)	12/14/2004	874,656	255,731	-19.79	1 U	7.71	Deleted
MW-362 (-23.07)	12/14/2004	874,207	256,042	-29.55	1 U	7.71	Deleted
MW-362 (-33.07)	12/14/2004	874,204	256,045	-37.53	1 U	7.71	Deleted
MW-362 (-43.07)	12/14/2004	874,073	256,135	-46.13	1 U	7.71	Deleted
MW-362 (-54.57)	12/15/2004	874,113	256,114	-57.35	1 U	7.71	Deleted
MW-362 (-63.07)	12/16/2004	874,179	256,065	-66.80	1 U	7.71	Deleted
MW-362 (-73.07)	12/16/2004	874,171	256,071	-75.74	1 U	7.71	Deleted
MW-362 (-83.07)	12/16/2004	874,159	256,078	-85.03	1 U	7.71	Deleted
MW-362 (-93.07)	12/16/2004	874,153	256,082	-94.37	1 U	7.71	Deleted
MW-362 (-103.07)	12/17/2004	874,140	256,091	-103.79	1 U	7.71	Deleted
MW-362 (-113.07)	12/17/2004	874,085	256,127	-113.59	1 U	7.71	Deleted

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-362 (-123.07)	12/20/2004	874,080	256,129	-123.22	1 U	7.70	Deleted
MW-362 (-133.07)	12/20/2004	874,075	256,132	-132.82	1 U	7.70	Deleted
MW-362 (-143.07)	12/20/2004	874,071	256,134	-142.41	1 U	7.70	Deleted
MW-362 (-153.07)	12/20/2004	874,069	256,134	-151.97	1 U	7.70	Deleted
MW-362 (-164.07)	12/21/2004	874,012	256,173	-164.10	1 U	7.69	Deleted
MW-362M1	3/31/2005	874,163	256,076	-76.97	1 U	7.42	Deleted
MW-362M1	8/2/2005	874,156	256,081	-76.89	1 U	7.08	Deleted
MW-362M1	11/29/2005	874,149	256,085	-76.72	1 U	6.76	Deleted
MW-362M1	10/7/2010	874,047	256,151	-75.27	0.0191 J	1.90	Deleted
MW-362M1	8/22/2012	874,008	256,176	-74.58	0.021 J	0.03	Deleted
MW-362M2	3/30/2005	874,410	255,936	-26.10	1 U	7.42	Deleted
MW-362M2	8/2/2005	874,401	255,943	-25.36	1 U	7.08	Deleted
MW-362M2	11/29/2005	874,393	255,950	-24.64	1 U	6.76	Deleted
MW-365 (56.16)	1/12/2005	873,177	259,594	-11.10	1 U	7.63	Deleted
MW-365 (46.16)	1/12/2005	873,167	259,582	-19.62	1 U	7.63	Deleted
MW-365 (36.16)	1/12/2005	873,157	259,569	-28.24	1 U	7.63	Deleted
MW-365 (26.16)	1/12/2005	873,146	259,553	-37.02	1 U	7.63	Deleted
MW-365 (16.16)	1/12/2005	873,135	259,533	-45.70	1 U	7.63	Deleted
MW-365 (6.16)	1/12/2005	873,122	259,496	-53.34	1 U	7.63	Deleted
MW-365 (-3.84)	1/12/2005	872,891	259,105	-35.07	1 U	7.63	Deleted
MW-365 (-13.84)	1/12/2005	872,588	258,760	-61.85	1 U	7.63	Deleted
MW-365 (-23.84)	1/13/2005	872,575	258,812	-71.21	1 U	7.63	Deleted
MW-365 (-33.84)	1/13/2005	872,601	258,897	-76.21	1 U	7.63	Deleted
MW-365 (-43.84)	1/13/2005	872,639	258,978	-79.93	1 U	7.63	Deleted
MW-365 (-53.84)	1/13/2005	872,714	259,074	-82.44	1 U	7.63	Deleted
MW-365 (-63.84)	1/13/2005	872,943	259,240	-85.29	1 U	7.63	Deleted
MW-365 (-73.84)	1/13/2005	872,913	259,205	-92.57	1 U	7.63	Deleted
MW-365 (-83.84)	1/13/2005	872,881	259,169	-99.48	1 U	7.63	Deleted
MW-365 (-93.84)	1/13/2005	872,855	259,137	-105.34	1 U	7.63	Deleted
MW-365 (-103.84)	1/14/2005	872,829	259,104	-110.34	1 U	7.63	Deleted
MW-365 (-113.84)	1/14/2005	872,491	258,570	-115.71	1 U	7.63	Deleted
MW-365 (-123.84)	1/14/2005	872,489	258,560	-125.03	1 U	7.63	Deleted
MW-365 (-133.84)	1/17/2005	872,487	258,554	-134.62	1 U	7.62	Deleted
MW-365 (-153.84)	1/17/2005	872,485	258,547	-153.70	1 U	7.62	Deleted
MW-365M1	4/19/2005	872,487	258,559	-125.13	1 U	7.37	Deleted
MW-365M1	8/16/2005	872,485	258,557	-125.10	1 U	7.04	Deleted
MW-365M1	12/13/2005	872,484	258,555	-125.06	1 U	6.72	Deleted
MW-365M2	4/19/2005	872,705	259,067	-82.95	1 U	7.37	Deleted
MW-365M2	8/16/2005	872,685	259,050	-82.75	1 U	7.04	Deleted
MW-365M2	12/13/2005	872,670	259,035	-82.91	1 U	6.72	Deleted
MW-365M2	4/6/2006	872,656	259,021	-82.78	1 U	6.41	Deleted
MW-365M2	4/10/2007	872,609	258,972	-82.75	1 U	5.40	Deleted
MW-365M2	9/21/2007	872,589	258,953	-82.72	1 U	4.95	Deleted
MW-365M2	4/10/2008	872,565	258,931	-82.67	1 U	4.39	Deleted
MW-365M2	10/31/2008	872,545	258,886	-81.64	1 U	3.83	Deleted
MW-365M2	9/3/2009	872,523	258,794	-78.30	1 U	2.99	Deleted
MW-365M2	9/29/2010	872,494	258,671	-72.04	0.078	1.92	Deleted
MW-365M2	10/11/2011	872,467	258,546	-63.09	0.008 J	0.89	Deleted
MW-365M2	8/14/2012	872,461	258,513	-54.85	0.05 U	0.05	Deleted
MW-365S	4/19/2005	873,145	259,576	-8.63	1 U	7.37	Deleted
MW-365S	8/16/2005	873,104	259,555	-6.49	1 U	7.04	Deleted
MW-365S	12/13/2005	873,059	259,535	-4.27	1 U	6.72	Deleted
MW-366 (53.13)	2/1/2005	870,183	260,165	-20.63	1 U	7.58	Deleted
MW-366 (43.13)	2/1/2005	870,189	260,159	-29.45	1 U	7.58	Deleted
MW-366 (33.13)	2/1/2005	870,196	260,154	-37.79	1 U	7.58	Deleted
MW-366 (23.13)	2/1/2005	870,205	260,145	-46.11	1 U	7.58	Deleted
MW-366 (13.13)	2/1/2005	870,222	260,110	-55.40	1 U	7.58	Deleted
MW-366 (-46.87)	2/2/2005	870,281	259,916	-82.48	1 U	7.58	Deleted
MW-366 (-56.87)	2/3/2005	870,336	259,976	-90.50	1 U	7.57	Deleted
MW-366 (-76.87)	2/3/2005	870,330	259,976	-99.11	1 U	7.57	Deleted
MW-366 (-86.87)	2/3/2005	870,318	259,957	-103.85	1 U	7.57	Deleted
MW-366 (-96.87)	2/3/2005	870,302	259,936	-108.80	1 U	7.57	Deleted
MW-366 (-106.87)	2/3/2005	870,289	259,921	-114.30	1 U	7.57	Deleted
MW-366 (-116.87)	2/3/2005	870,278	259,908	-119.71	1 U	7.57	Deleted
MW-366 (-126.87)	2/7/2005	870,016	259,540	-126.83	1 U	7.56	Deleted
MW-366 (-146.87)	2/7/2005	870,016	259,539	-146.82	1 U	7.56	Deleted
MW-366 (-156.87)	2/7/2005	870,030	259,564	-156.99	1 U	7.56	Deleted
MW-366M1	4/12/2007	870,248	259,825	-83.38	1 U	5.39	Deleted
MW-366M2	9/26/2006	870,193	259,873	-60.65	1 U	5.93	Deleted
MW-366M2	10/2/2007	870,173	259,791	-51.91	1 UJ	4.92	Deleted
MW-366M2	9/29/2008	870,174	259,750	-46.10	1 UJ	3.92	Deleted
MW-366M2	8/19/2009	870,154	259,720	-40.17	1 U	3.04	Deleted

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-366M2	9/30/2010	870,109	259,665	-34.92	0.38	1.92	Deleted
MW-366M2	10/13/2011	870,059	259,598	-30.49	0.23	0.89	Deleted
MW-366M2	8/23/2012	870,016	259,539	-26.96	0.163	0.02	Deleted
MW-366M3	9/26/2006	870,222	259,968	-39.59	1 U	5.93	Deleted
MW-366M3	4/12/2007	870,222	259,919	-34.55	1 U	5.39	Deleted
MW-366M3	10/2/2007	870,220	259,875	-30.26	1 UJ	4.92	Deleted
MW-366M3	9/29/2008	870,203	259,791	-22.21	1 UJ	3.92	Deleted
MW-366M3	8/19/2009	870,166	259,743	-15.29	1 U	3.04	Deleted
MW-366M3	9/30/2010	870,114	259,673	-7.81	0.0434 J	1.92	Deleted
MW-366M3	10/13/2011	870,062	259,602	-1.76	0.045 J	0.89	Deleted
MW-366M3	8/23/2012	870,016	259,539	3.00	0.027 J	0.02	Deleted
MW-367 (51.63)	3/4/2005	873,117	256,758	2.04	1 U	7.50	Deleted
MW-367 (41.63)	3/7/2005	873,107	256,760	-4.08	1 U	7.49	Deleted
MW-367 (31.63)	3/7/2005	873,096	256,761	-10.25	1 U	7.49	Deleted
MW-367 (21.63)	3/7/2005	873,083	256,763	-16.55	1 U	7.49	Deleted
MW-367 (11.63)	3/7/2005	873,068	256,766	-22.98	1 U	7.49	Deleted
MW-367 (1.63)	3/7/2005	873,052	256,767	-29.57	1 U	7.49	Deleted
MW-367 (-8.37)	3/7/2005	873,033	256,769	-36.30	1 U	7.49	Deleted
MW-367 (-18.37)	3/7/2005	873,015	256,771	-43.15	1 U	7.49	Deleted
MW-367 (-28.37)	3/8/2005	872,997	256,772	-50.07	1 U	7.48	Deleted
MW-367 (-38.37)	3/8/2005	872,974	256,773	-57.13	1 U	7.48	Deleted
MW-367 (-48.37)	3/8/2005	872,944	256,775	-64.33	1 U	7.48	Deleted
MW-367 (-58.37)	3/8/2005	872,905	256,775	-71.65	1 U	7.48	Deleted
MW-367 (-68.37)	3/8/2005	872,870	256,776	-79.03	1 U	7.48	Deleted
MW-367 (-78.37)	3/9/2005	872,833	256,776	-86.42	1 U	7.48	Deleted
MW-367 (-88.37)	3/9/2005	872,801	256,776	-93.83	1 U	7.48	Deleted
MW-367 (-98.37)	3/9/2005	872,771	256,776	-101.36	1 U	7.48	Deleted
MW-367 (-108.37)	3/10/2005	872,294	256,765	-109.95	1 U	7.48	Deleted
MW-367 (-118.37)	3/10/2005	872,334	256,762	-119.75	1 U	7.48	Deleted
MW-367 (-128.37)	3/11/2005	872,332	256,761	-129.43	1 U	7.48	Deleted
MW-367 (-138.37)	3/11/2005	872,329	256,760	-139.28	1 U	7.48	Deleted
MW-367 (-148.37)	3/11/2005	872,327	256,760	-149.01	1 U	7.48	Deleted
MW-367 (-158.37)	3/11/2005	872,327	256,760	-158.76	1 U	7.48	Deleted
MW-367M1	3/31/2005	872,908	256,775	-69.84	1 U	7.42	Deleted
MW-367M1	7/28/2005	872,877	256,774	-69.38	1 U	7.10	Deleted
MW-367M1	12/8/2005	872,842	256,772	-68.84	1 UJ	6.73	Deleted
MW-367M1	4/4/2006	872,813	256,770	-68.22	1 U	6.41	Deleted
MW-367M1	10/9/2006	872,764	256,768	-67.40	1 U	5.90	Deleted
MW-367M1	4/11/2007	872,717	256,766	-66.69	0.35 J	5.39	Deleted
MW-367M1	9/28/2007	872,674	256,764	-65.91	0.47 J	4.93	Deleted
MW-367M1	12/9/2009	872,493	256,764	-61.80	0.294	2.73	Deleted
MW-367M2	3/31/2005	873,008	256,771	-42.77	1 U	7.42	Deleted
MW-367M2	7/28/2005	872,971	256,769	-42.12	1 U	7.10	Deleted
MW-367M2	12/8/2005	872,930	256,768	-41.32	1 UJ	6.73	Deleted
MW-367M2	4/4/2006	872,895	256,766	-40.47	1 U	6.41	Deleted
MW-367M2	10/9/2006	872,838	256,764	-39.14	1 U	5.90	Deleted
MW-367M2	4/11/2007	872,783	256,763	-37.85	1 U	5.39	Deleted
MW-367M2	9/28/2007	872,731	256,761	-36.47	1 U	4.93	Deleted
MW-367M2	12/9/2009	872,521	256,763	-28.97	0.07	2.73	Deleted
MW-368 (-118.57)	4/18/2005	871,089	258,754	-120.37	1 U	7.37	Deleted
MW-368 (-128.57)	4/19/2005	871,081	258,746	-129.77	1 U	7.37	Deleted
MW-368 (-164.57)	4/21/2005	871,020	258,679	-164.64	1 U	7.36	Deleted
MW-368 (-168.57)	4/21/2005	871,037	258,699	-168.66	1 U	7.36	Deleted
MW-368M3	9/15/2009	871,313	259,039	-11.64	1 U	2.96	Deleted
MW-368M3	9/14/2010	871,191	258,895	-7.63	0.0313 J	1.96	Deleted
MW-368M3	10/19/2011	871,087	258,769	2.63	0.023 J	0.87	Deleted
MW-368M3	8/27/2012	871,018	258,675	10.59	0.023 J	0.01	Deleted
MW-372 (52.56)	5/17/2005	874,429	262,317	-0.48	1 U	7.29	Deleted
MW-372 (42.56)	5/17/2005	874,422	262,298	-7.33	1 U	7.29	Deleted
MW-372 (32.56)	5/17/2005	874,414	262,276	-14.22	1 U	7.29	Deleted
MW-372 (22.56)	5/17/2005	874,405	262,251	-21.23	1 U	7.29	Deleted
MW-372 (12.56)	5/17/2005	874,394	262,222	-28.21	1 U	7.29	Deleted
MW-372 (2.56)	5/18/2005	874,381	262,188	-35.17	1 U	7.29	Deleted
MW-372 (-7.44)	5/18/2005	874,368	262,153	-42.29	1 U	7.29	Deleted
MW-372 (-17.44)	5/18/2005	874,354	262,118	-49.45	1 U	7.29	Deleted
MW-372 (-27.44)	5/18/2005	874,339	262,079	-56.72	1 U	7.29	Deleted
MW-372 (-37.44)	5/18/2005	874,319	262,027	-64.02	1 U	7.29	Deleted
MW-372 (-47.44)	5/18/2005	874,293	261,963	-71.47	1 U	7.29	Deleted
MW-372 (-57.44)	5/18/2005	874,264	261,891	-79.11	1 U	7.29	Deleted
MW-372 (-67.44)	5/18/2005	874,236	261,825	-86.78	1 U	7.29	Deleted
MW-372 (-77.44)	5/18/2005	874,209	261,760	-94.64	1 U	7.29	Deleted
MW-372 (-87.44)	5/19/2005	874,183	261,700	-102.60	1 U	7.29	Deleted

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-372 (-97.44)	5/19/2005	874,159	261,642	-110.68	1 U	7.29	Deleted
MW-372 (-107.44)	5/19/2005	874,138	261,595	-118.94	1 U	7.29	Deleted
MW-372 (-117.44)	5/19/2005	874,117	261,546	-127.14	1 U	7.29	Deleted
MW-372 (-127.44)	5/19/2005	874,098	261,503	-135.53	1 U	7.29	Deleted
MW-372 (-137.44)	5/19/2005	874,080	261,461	-143.73	1 U	7.29	Deleted
MW-372D	7/18/2005	874,085	261,475	-139.54	1 U	7.12	Deleted
MW-372D	11/14/2005	874,070	261,441	-139.81	1 U	6.80	Deleted
MW-372D	3/14/2006	874,055	261,408	-139.48	1 U	6.47	Deleted
MW-372M1	7/18/2005	874,137	261,593	-116.29	1 U	7.12	Deleted
MW-372M1	11/14/2005	874,117	261,548	-116.68	1 U	6.80	Deleted
MW-372M1	3/14/2006	874,100	261,511	-116.32	1 U	6.47	Deleted
MW-372M1	4/6/2006	874,100	261,510	-115.37	1 U	6.41	Deleted
MW-372M1	4/9/2007	874,045	261,390	-114.79	1 U	5.40	Deleted
MW-372M1	9/19/2007	874,020	261,338	-114.20	1 U	4.95	Deleted
MW-372M1	4/9/2008	873,989	261,274	-113.30	1 U	4.40	Deleted
MW-372M1	10/31/2008	873,958	261,209	-112.40	1 U	3.83	Deleted
MW-372M1	9/2/2009	873,911	261,112	-111.01	1 U	3.00	Deleted
MW-372M1	9/16/2010	873,851	260,995	-109.24	0.0278 J	1.96	Deleted
MW-372M1	8/15/2012	873,739	260,785	-105.65	0.018 J	0.05	Deleted
MW-381 (45.72)	6/23/2005	871,355	261,892	-6.54	1 U	7.19	Deleted
MW-381 (35.72)	6/23/2005	871,347	261,870	-14.36	1 U	7.19	Deleted
MW-381 (25.72)	6/23/2005	871,336	261,844	-22.19	1 U	7.19	Deleted
MW-381 (15.72)	6/24/2005	871,325	261,815	-29.97	1 U	7.19	Deleted
MW-381 (5.72)	6/24/2005	871,312	261,784	-37.86	1 U	7.19	Deleted
MW-381 (-4.28)	6/27/2005	871,299	261,748	-45.77	1 U	7.18	Deleted
MW-381 (-14.28)	6/27/2005	871,284	261,711	-53.75	1 U	7.18	Deleted
MW-381 (-24.28)	6/27/2005	871,266	261,663	-61.44	0.45 J	7.18	Deleted
MW-381 (-34.28)	6/27/2005	871,204	261,468	-69.14	1 U	7.18	Deleted
MW-381 (-44.28)	6/28/2005	871,171	261,259	-80.87	1 U	7.18	Deleted
MW-381 (-54.28)	6/28/2005	871,214	261,494	-77.02	1 U	7.18	Deleted
MW-381 (-64.28)	6/28/2005	871,190	261,434	-84.17	1 U	7.18	Deleted
MW-381 (-74.28)	6/28/2005	871,159	261,365	-91.06	1 U	7.18	Deleted
MW-381 (-84.28)	6/28/2005	871,135	261,307	-97.96	1 U	7.18	Deleted
MW-381 (-94.28)	6/29/2005	871,113	261,259	-104.62	1 U	7.17	Deleted
MW-381 (-104.28)	6/29/2005	871,095	261,222	-111.46	1 U	7.17	Deleted
MW-381 (-114.28)	6/29/2005	871,057	261,170	-117.99	1 U	7.17	Deleted
MW-381 (-124.28)	6/29/2005	870,606	260,406	-126.61	1 U	7.17	Deleted
MW-381 (-134.28)	6/29/2005	870,606	260,406	-135.46	1 U	7.17	Deleted
MW-381 (-144.28)	6/30/2005	870,577	260,370	-144.50	1 U	7.17	Deleted
MW-381M1	8/31/2005	871,195	261,427	-81.36	1 U	7.00	Deleted
MW-381M1	12/21/2005	871,189	261,373	-82.70	1 U	6.70	Deleted
MW-381M1	3/9/2006	871,182	261,330	-83.90	1 U	6.48	Deleted
MW-381M1	3/28/2006	871,178	261,315	-84.05	1 U	6.43	Deleted
MW-381M1	4/25/2006	871,173	261,294	-84.46	1 U	6.35	Deleted
MW-381M1	10/2/2006	871,158	261,212	-87.21	1 U	5.92	Deleted
MW-381M1	3/22/2007	871,122	261,139	-88.46	1 U	5.45	Deleted
MW-381M1	4/10/2007	871,116	261,128	-88.50	1 U	5.40	Deleted
MW-381M1	9/25/2007	871,075	261,055	-90.91	1 U	4.94	Deleted
MW-381M1	10/5/2007	871,072	261,051	-91.09	1 UJ	4.91	Deleted
MW-381M1	3/6/2008	871,024	260,978	-94.45	1 U	4.49	Deleted
MW-381M1	9/11/2008	870,968	260,890	-98.51	1 U	3.97	Deleted
MW-381M1	2/11/2009	870,932	260,832	-98.02	1 U	3.55	Deleted
MW-381M1	8/18/2009	870,885	260,760	-96.86	1 U	3.04	Deleted
MW-381M1	9/15/2010	870,778	260,613	-91.25	0.058	1.96	Deleted
MW-381M1	10/11/2011	870,662	260,473	-80.50	0.017 J	0.89	Deleted
MW-381M1	8/28/2012	870,575	260,368	-60.04	0.008 J	0.01	Deleted
MW-381M2	8/31/2005	871,269	261,638	-60.73	1 U	7.00	Deleted
MW-381M2	12/21/2005	871,255	261,526	-61.57	1 U	6.70	Deleted
MW-381M2	3/9/2006	871,181	261,335	-61.16	1 U	6.48	Deleted
MW-381M2	3/28/2006	871,201	261,357	-61.70	1 U	6.43	Deleted
MW-381M2	4/25/2006	871,206	261,345	-61.25	1 U	6.35	Deleted
MW-381M2	10/3/2006	871,242	261,297	-66.67	1 U	5.91	Deleted
MW-381M2	3/22/2007	871,216	261,241	-67.94	1 U	5.45	Deleted
MW-381M2	4/10/2007	871,213	261,234	-68.10	1 U	5.40	Deleted
MW-381M2	9/25/2007	871,114	261,098	-69.75	1 U	4.94	Deleted
MW-381M2	10/11/2007	871,091	261,058	-69.79	1 U	4.89	Deleted
MW-381M2	3/6/2008	871,064	261,047	-76.35	1 U	4.49	Deleted
MW-381M2	9/11/2008	870,972	260,966	-83.77	1 U	3.97	Deleted
MW-381M2	2/11/2009	870,934	260,901	-83.35	1 U	3.55	Deleted
MW-381M2	8/18/2009	870,885	260,820	-82.04	1 U	3.04	Deleted
MW-381M2	9/15/2010	870,768	260,649	-73.95	0.0118 J	1.96	Deleted
MW-381M2	10/11/2011	870,637	260,481	-57.41	0.05 U	0.89	Deleted

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-381M2	8/28/2012	870,575	260,369	-23.96	0.05 U	0.01	Deleted
MW-388 (40.91)	7/14/2005	869,998	259,321	2.97	1 U	7.13	Deleted
MW-388 (30.91)	7/14/2005	869,993	259,315	-2.81	1 U	7.13	Deleted
MW-388 (20.91)	7/14/2005	869,988	259,308	-8.42	1 U	7.13	Deleted
MW-388 (10.91)	7/14/2005	869,981	259,299	-14.22	1 U	7.13	Deleted
MW-388 (0.91)	7/14/2005	869,971	259,286	-20.05	0.47 J	7.13	Deleted
MW-388 (-9.09)	7/14/2005	869,961	259,273	-25.74	0.8 J	7.13	Deleted
MW-388 (-19.09)	7/15/2005	869,952	259,261	-31.69	0.49 J	7.13	Deleted
MW-388 (-29.09)	7/15/2005	869,940	259,247	-37.40	1 U	7.13	Deleted
MW-388 (-39.09)	7/15/2005	869,897	259,217	-44.75	0.35 J	7.13	Deleted
MW-388 (-49.09)	7/15/2005	869,887	259,206	-57.41	1 U	7.13	Deleted
MW-388 (-59.09)	7/18/2005	869,875	259,175	-67.85	1 U	7.12	Deleted
MW-388 (-69.09)	7/18/2005	869,868	259,149	-76.36	1 U	7.12	Deleted
MW-388 (-79.09)	7/18/2005	869,861	259,130	-84.32	1 U	7.12	Deleted
MW-388 (-89.09)	7/18/2005	869,848	259,099	-91.12	1 U	7.12	Deleted
MW-388 (-99.09)	7/18/2005	869,836	259,076	-98.64	1 U	7.12	Deleted
MW-388 (-109.09)	7/18/2005	869,825	259,058	-105.62	1 U	7.12	Deleted
MW-388 (-119.09)	7/19/2005	869,788	259,007	-118.13	1 U	7.12	Deleted
MW-388 (-129.09)	7/19/2005	869,631	258,747	-129.47	1 U	7.12	Deleted
MW-388 (-139.09)	7/19/2005	869,630	258,747	-139.46	1 U	7.12	Deleted
MW-388M1	9/1/2005	869,895	259,207	-45.35	1 U	7.00	Deleted
MW-388M1	12/29/2005	869,892	259,180	-46.24	1 UJ	6.67	Deleted
MW-388M1	4/3/2006	869,892	259,157	-46.50	1 U	6.41	Deleted
MW-388M1	5/1/2006	869,891	259,150	-47.16	1 U	6.34	Deleted
MW-388M1	4/12/2007	869,877	259,069	-48.67	1 U	5.39	Deleted
MW-388M1	5/1/2008	869,855	258,986	-48.12	1 U	4.34	Deleted
MW-388M1	9/17/2009	869,784	258,903	-46.33	1 UJ	2.96	Deleted
MW-388M1	9/15/2010	869,728	258,845	-44.50	0.078	1.96	Deleted
MW-388M1	10/20/2011	869,665	258,779	-41.98	0.055	0.87	Deleted
MW-388M1	8/7/2012	869,620	258,730	-39.50	0.048 J	0.07	Deleted
MW-388M2	9/1/2005	869,956	259,260	-25.63	0.91 J	7.00	Deleted
MW-388M2	12/29/2005	869,944	259,226	-24.54	0.69 J	6.67	Deleted
MW-388M2	4/3/2006	869,934	259,199	-24.11	0.55 J	6.41	Deleted
MW-388M2	5/1/2006	869,931	259,191	-23.85	0.87 J	6.34	Deleted
MW-388M2	4/12/2007	869,902	259,098	-24.18	0.72 J	5.39	Deleted
MW-388M2	5/1/2008	869,875	259,006	-23.73	0.78 J	4.34	Deleted
MW-388M2	9/17/2009	869,799	258,917	-20.54	0.376 J	2.96	Deleted
MW-388M2	9/15/2010	869,738	258,854	-17.35	0.677	1.96	Deleted
MW-388M2	10/20/2011	869,670	258,783	-12.87	0.479	0.87	Deleted
MW-388M2	8/7/2012	869,620	258,730	-9.18	0.311	0.07	Deleted
MW-388M3	9/1/2005	869,996	259,312	8.74	1 U	7.00	Deleted
MW-388M3	12/29/2005	869,984	259,275	10.48	1 UJ	6.67	Deleted
MW-388M3	5/1/2006	869,971	259,237	12.12	1 U	6.34	Deleted
MW-393 (53.51)	8/22/2005	872,800	262,174	0.61	1 U	7.03	Deleted
MW-393 (43.51)	8/22/2005	872,793	262,155	-6.97	1 U	7.03	Deleted
MW-393 (33.51)	8/22/2005	872,784	262,132	-14.60	1 U	7.03	Deleted
MW-393 (23.51)	8/22/2005	872,774	262,106	-22.30	1 U	7.03	Deleted
MW-393 (13.51)	8/22/2005	872,763	262,076	-30.08	1 U	7.03	Deleted
MW-393 (3.51)	8/22/2005	872,750	262,043	-37.97	1 U	7.03	Deleted
MW-393 (-6.49)	8/22/2005	872,736	262,006	-45.99	1 U	7.03	Deleted
MW-393 (-16.49)	8/22/2005	872,721	261,967	-54.05	1 U	7.03	Deleted
MW-393 (-26.49)	8/23/2005	872,703	261,917	-62.16	1 U	7.02	Deleted
MW-393 (-36.49)	8/23/2005	872,680	261,859	-70.58	1 U	7.02	Deleted
MW-393 (-46.49)	8/23/2005	872,654	261,791	-79.03	1 U	7.02	Deleted
MW-393 (-56.49)	8/23/2005	872,626	261,718	-87.44	1 U	7.02	Deleted
MW-393 (-76.49)	9/2/2005	872,568	261,575	-105.04	1 U	7.00	Deleted
MW-393 (-166.49)	9/6/2005	872,199	260,756	-166.13	2 J	6.99	Deleted
MW-393D	10/26/2005	872,199	260,755	-160.49	1 UJ	6.85	Deleted
MW-393D	2/23/2006	872,197	260,753	-160.39	1 U	6.52	Deleted
MW-393D	3/29/2006	872,197	260,752	-159.64	1 U	6.43	Deleted
MW-393D	6/22/2006	872,196	260,750	-160.29	1 U	6.19	Deleted
MW-393D	4/9/2007	872,193	260,745	-160.08	1 U	5.40	Deleted
MW-393D	4/10/2008	872,189	260,737	-160.64	0.37 J	4.39	Deleted
MW-393D	10/4/2010	872,170	260,726	-161.76	0.05 U	1.91	Deleted
MW-393D	8/30/2012	872,154	260,717	-162.09	0.05 U	0.00	Deleted
MW-393M1	8/30/2012	872,157	260,716	-116.53	0.027 J	0.00	Deleted
MW-393M2	10/26/2005	872,584	261,615	-96.78	1 UJ	6.85	Deleted
MW-393M2	2/23/2006	872,557	261,548	-98.21	1 U	6.52	Deleted
MW-393M2	3/29/2006	872,550	261,529	-98.67	1 U	6.43	Deleted
MW-393M2	6/22/2006	872,528	261,471	-100.90	1 U	6.19	Deleted
MW-393M2	10/10/2006	872,497	261,384	-104.95	1 U	5.89	Deleted
MW-393M2	4/9/2007	872,417	261,116	-121.14	1 U	5.40	Deleted

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-393M2	8/30/2012	872,156	260,717	-67.34	0.032 J	0.00	Deleted
MW-399 (54.61)	9/28/2005	873,105	265,601	1.67	1 U	6.93	Deleted
MW-399 (44.61)	9/28/2005	873,098	265,573	-5.26	1 U	6.93	Deleted
MW-399 (34.61)	9/28/2005	873,090	265,542	-12.27	1 U	6.93	Deleted
MW-399 (24.61)	9/28/2005	873,082	265,506	-19.33	1.4 U	6.93	Deleted
MW-399 (14.61)	9/28/2005	873,071	265,464	-26.43	1 U	6.93	Deleted
MW-399 (4.61)	9/28/2005	873,060	265,415	-33.53	1.2 U	6.93	Deleted
MW-399 (-5.39)	9/28/2005	873,046	265,362	-40.62	1.6 U	6.93	Deleted
MW-399 (-15.39)	9/28/2005	873,033	265,309	-47.80	1 U	6.93	Deleted
MW-399 (-25.39)	9/29/2005	873,019	265,251	-54.96	1 U	6.92	Deleted
MW-399 (-35.39)	9/29/2005	873,002	265,185	-62.17	1 U	6.92	Deleted
MW-399 (-45.39)	9/29/2005	872,979	265,094	-69.43	1 U	6.92	Deleted
MW-399 (-55.39)	9/29/2005	872,952	264,986	-76.70	1 U	6.92	Deleted
MW-399 (-65.39)	9/29/2005	872,924	264,881	-83.97	1 U	6.92	Deleted
MW-399 (-75.39)	9/29/2005	872,896	264,772	-91.06	1 U	6.92	Deleted
MW-399 (-85.39)	9/29/2005	872,871	264,677	-98.62	1 U	6.92	Deleted
MW-399 (-95.39)	9/29/2005	872,850	264,595	-106.08	3.6 U	6.92	Deleted
MW-399 (-105.39)	9/30/2005	872,829	264,516	-113.82	1 U	6.92	Deleted
MW-399 (-115.39)	9/30/2005	872,813	264,454	-121.71	1 U	6.92	Deleted
MW-399 (-125.39)	9/30/2005	872,794	264,375	-129.72	1 U	6.92	Deleted
MW-399 (-135.39)	9/30/2005	872,782	264,329	-138.11	1 U	6.92	Deleted
MW-399 (-145.39)	9/30/2005	872,765	264,260	-147.49	1 U	6.92	Deleted
MW-399 (-155.39)	10/3/2005	872,749	264,198	-158.33	1 U	6.91	Deleted
MW-399M1	11/2/2005	872,885	264,732	-92.27	1 U	6.83	Deleted
MW-399M1	3/6/2006	872,862	264,648	-92.42	1 U	6.49	Deleted
MW-399M1	7/6/2006	872,841	264,570	-91.60	1 U	6.16	Deleted
MW-399M1	10/11/2006	872,824	264,509	-90.92	1 U	5.89	Deleted
MW-399M1	4/10/2007	872,794	264,394	-90.00	1 U	5.40	Deleted
MW-399M1	9/24/2007	872,766	264,289	-89.38	1 U	4.94	Deleted
MW-399M1	4/10/2008	872,732	264,167	-88.57	1 U	4.39	Deleted
MW-399M1	10/31/2008	872,698	264,043	-87.80	1 U	3.83	Deleted
MW-399M1	9/2/2009	872,646	263,861	-85.99	1 U	3.00	Deleted
MW-399M1	9/14/2010	872,582	263,639	-83.53	0.073	1.96	Deleted
MW-399M1	10/18/2011	872,512	263,403	-80.88	0.063	0.87	Deleted
MW-399M1	8/29/2012	872,457	263,222	-78.61	0.056	0.01	Deleted
MW-399M2	11/2/2005	873,081	265,507	-11.73	1 U	6.83	Deleted
MW-399M2	3/6/2006	873,050	265,383	-9.64	1 U	6.49	Deleted
MW-399M2	7/6/2006	873,018	265,263	-7.53	1 U	6.16	Deleted
MW-436 (54.01)	3/27/2006	873,372	264,179	5.58	1 U	6.43	Deleted
MW-436 (47.01)	3/27/2006	873,368	264,164	0.52	1 U	6.43	Deleted
MW-436 (37.01)	3/27/2006	873,361	264,141	-6.67	1 U	6.43	Deleted
MW-436 (27.01)	3/27/2006	873,353	264,114	-13.95	1 U	6.43	Deleted
MW-436 (17.01)	3/27/2006	873,344	264,083	-21.24	1 U	6.43	Deleted
MW-436 (7.01)	3/28/2006	873,332	264,045	-28.58	1 U	6.43	Deleted
MW-436 (-2.99)	3/28/2006	873,319	264,003	-35.88	1 U	6.43	Deleted
MW-436 (-12.99)	3/28/2006	873,306	263,959	-43.35	1 UJ	6.43	Deleted
MW-436 (-22.99)	3/28/2006	873,294	263,918	-50.87	1 U	6.43	Deleted
MW-436 (-32.99)	3/28/2006	873,278	263,867	-58.40	1 U	6.43	Deleted
MW-436 (-42.99)	3/28/2006	873,258	263,802	-66.00	1 U	6.43	Deleted
MW-436 (-52.99)	3/28/2006	873,232	263,716	-73.62	1 U	6.43	Deleted
MW-436 (-62.99)	3/28/2006	873,205	263,628	-81.39	1 U	6.43	Deleted
MW-436 (-72.99)	3/29/2006	873,179	263,546	-89.18	1 U	6.43	Deleted
MW-436 (-82.99)	3/29/2006	873,155	263,469	-97.12	1 U	6.43	Deleted
MW-436 (-92.99)	3/29/2006	873,133	263,400	-105.18	1 U	6.43	Deleted
MW-436 (-102.99)	3/29/2006	873,114	263,338	-113.28	1 U	6.43	Deleted
MW-436 (-112.99)	3/29/2006	873,095	263,280	-121.51	1 U	6.43	Deleted
MW-436 (-122.99)	3/29/2006	873,077	263,225	-129.80	1 U	6.43	Deleted
MW-436 (-132.99)	3/29/2006	873,061	263,175	-138.14	1 U	6.43	Deleted
MW-436 (-142.99)	3/30/2006	873,044	263,122	-146.60	1 UJ	6.42	Deleted
MW-436 (-152.99)	3/30/2006	873,028	263,073	-155.07	1 UJ	6.42	Deleted
MW-436 (-162.99)	3/30/2006	873,013	263,028	-163.63	1 UJ	6.42	Deleted
MW-436 (-167.99)	3/31/2006	873,013	263,027	-167.95	1 U	6.42	Deleted
MW-436M1 (-168.46)	4/19/2006	873,011	263,021	-168.35	1 UJ	6.37	Deleted
MW-436M1 (-123.46)	8/15/2006	873,058	263,166	-129.78	1 UJ	6.05	Deleted
MW-436M1	12/13/2006	873,041	263,115	-129.43	1 U	5.72	Deleted
MW-436M1	2/19/2009	872,931	262,785	-127.10	1 U	3.53	Deleted
MW-436M1	9/2/2009	872,905	262,707	-126.54	1 U	3.00	Deleted
MW-436M1	3/8/2010	872,880	262,633	-126.01	0.0211 J	2.48	Deleted
MW-436M1	10/5/2010	872,852	262,552	-125.41	0.0404 J	1.91	Deleted
MW-436M1	3/16/2011	872,830	262,490	-125.00	0.102	1.46	Deleted
MW-436M1	10/6/2011	872,803	262,413	-124.43	0.073	0.91	Deleted
MW-436M1	2/28/2012	872,783	262,359	-124.03	0.08	0.51	Deleted

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-436M1	8/16/2012	872,761	262,297	-123.54	0.089	0.04	Deleted
MW-436M2	4/19/2006	873,199	263,611	-81.55	1 UJ	6.37	Deleted
MW-436M2	8/15/2006	873,177	263,543	-80.68	1 UJ	6.05	Deleted
MW-436M2	12/13/2006	873,155	263,473	-79.79	1 U	5.72	Deleted
MW-436M2	4/13/2007	873,133	263,402	-78.92	1 U	5.39	Deleted
MW-436M2	9/25/2007	873,101	263,305	-77.69	1 U	4.94	Deleted
MW-436M2	4/14/2008	873,064	263,187	-75.80	1 U	4.38	Deleted
MW-436M2	11/4/2008	873,024	263,066	-74.69	1 U	3.82	Deleted
MW-48D	3/25/2004	872,655	269,812	-95.09	1 U	8.44	Deleted
MW-48M1	8/20/2002	872,827	270,813	-78.93	1 U	10.03	Deleted
MW-48M1	3/24/2004	872,688	270,016	-73.15	1 UJ	8.44	Deleted
MW-48M1	6/9/2004	872,672	269,918	-72.40	1 UJ	8.23	Deleted
MW-48M2	8/20/2002	872,860	271,008	-59.46	1 U	10.03	Deleted
MW-48M2	3/24/2004	872,714	270,164	-51.44	1 UJ	8.44	Deleted
MW-48M2	6/11/2004	872,696	270,058	-50.38	1 UJ	8.22	Deleted
MW-48M3	8/20/2002	872,880	271,184	-40.39	1 U	10.03	Deleted
MW-48M3	3/24/2004	872,729	270,295	-30.12	1 UJ	8.44	Deleted
MW-48M3	6/11/2004	872,710	270,183	-28.92	1 UJ	8.22	Deleted
MW-48S	3/25/2004	872,760	270,460	-10.03	1 U	8.44	Deleted
MW-49D	3/25/2004	873,038	269,940	-97.66	1 U	8.44	Deleted
MW-49M1	8/26/2002	873,205	270,940	-85.29	1 U	10.02	Deleted
MW-49M1	3/25/2004	873,078	270,136	-79.90	1 UJ	8.44	Deleted
MW-49M1	6/10/2004	873,061	270,035	-79.10	1 UJ	8.23	Deleted
MW-49M2	8/27/2002	873,245	271,163	-65.65	1 U	10.01	Deleted
MW-49M2	3/25/2004	873,116	270,311	-58.25	1 UJ	8.44	Deleted
MW-49M2	6/10/2004	873,098	270,205	-57.07	1 UJ	8.23	Deleted
MW-49M3	8/27/2002	873,286	271,359	-46.67	1 U	10.01	Deleted
MW-49M3	3/25/2004	873,157	270,459	-36.65	1 UJ	8.44	Deleted
MW-49M3	6/10/2004	873,139	270,347	-35.52	1 UJ	8.23	Deleted
MW-49S	3/25/2004	873,195	270,621	-15.00	1 U	8.44	Deleted
MW-57D	8/30/2000	874,385	258,416	-91.45	5 UJ	12.00	Deleted
MW-57D	8/7/2001	874,309	258,364	-89.36	5 U	11.07	Deleted
MW-57D	10/3/2002	874,216	258,305	-86.41	1 U	9.91	Deleted
MW-57D	9/26/2003	874,134	258,256	-84.28	1 UJ	8.93	Deleted
MW-57D	9/14/2004	874,054	258,208	-82.09	1 U	7.96	Deleted
MW-57D	10/18/2005	873,964	258,154	-79.61	1 U	6.87	Deleted
MW-57D	10/10/2006	873,880	258,104	-77.24	1 U	5.89	Deleted
MW-57D	4/17/2007	873,835	258,078	-76.14	1 U	5.38	Deleted
MW-57D	9/28/2007	873,795	258,056	-75.14	1 U	4.93	Deleted
MW-57D	4/28/2008	873,744	258,025	-74.00	1 U	4.34	Deleted
MW-57D	11/4/2008	873,692	258,004	-72.78	1 U	3.82	Deleted
MW-57D	1/19/2009	873,670	257,997	-72.20	1 U	3.62	Deleted
MW-57D	9/4/2009	873,603	257,977	-70.85	1 U	2.99	Deleted
MW-57D	9/30/2010	873,488	257,944	-67.65	0.227	1.92	Deleted
MW-57D	10/6/2011	873,379	257,916	-64.52	0.279	0.91	Deleted
MW-57D	8/22/2012	873,285	257,896	-61.37	0.312	0.03	Deleted
MW-57M1	8/29/2000	874,523	258,465	-81.18	5 UJ	12.01	Deleted
MW-57M1	8/8/2001	874,442	258,410	-76.75	5 U	11.07	Deleted
MW-57M1	10/3/2002	874,339	258,347	-72.59	1 U	9.91	Deleted
MW-57M1	9/26/2003	874,248	258,295	-68.94	1 UJ	8.93	Deleted
MW-57M1	9/14/2004	874,159	258,243	-65.84	1 U	7.96	Deleted
MW-57M1	10/18/2005	874,056	258,184	-62.45	1 U	6.87	Deleted
MW-57M2	8/29/2000	874,694	258,532	-56.41	5 UJ	12.01	Deleted
MW-57M2	8/8/2001	874,594	258,469	-51.67	5 U	11.07	Deleted
MW-57M2	10/4/2002	874,467	258,398	-46.12	1 U	9.91	Deleted
MW-57M2	9/26/2003	874,361	258,338	-41.91	1 UJ	8.93	Deleted
MW-57M2	9/14/2004	874,255	258,281	-38.00	1 U	7.96	Deleted
MW-57M2	10/18/2005	874,137	258,215	-33.58	1 U	6.87	Deleted
MW-57M3	8/30/2000	874,770	258,574	-37.07	5 UJ	12.00	Deleted
MW-57M3	8/8/2001	874,665	258,504	-30.86	5 U	11.07	Deleted
MW-57M3	10/7/2002	874,529	258,424	-24.57	1 U	9.90	Deleted
MW-57M3	9/26/2003	874,417	258,362	-20.14	1 UJ	8.93	Deleted
MW-57M3	9/15/2004	874,305	258,299	-15.71	1 U	7.96	Deleted
MW-57M3	10/18/2005	874,181	258,228	-10.71	1 U	6.87	Deleted
MW-57S	8/30/2000	874,832	258,611	-21.10	5 UJ	12.00	Deleted
MW-57S	8/8/2001	874,721	258,537	-13.25	5 U	11.07	Deleted
MW-57S	3/17/2003	874,525	258,421	-3.16	1 U	9.46	Deleted
MW-57S	11/20/2003	874,443	258,373	0.40	1 UJ	8.78	Deleted
MW-57S	9/14/2004	874,344	258,317	4.91	1 U	7.96	Deleted
MW-57S	10/18/2005	874,214	258,241	11.17	1 U	6.87	Deleted
SMR-2	9/18/2000	869,244	258,454	-26.15	5 UJ	11.95	Deleted
SMR-2	9/11/2001	869,211	258,385	-21.95	5 U	10.97	Deleted

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
SMR-2	5/16/2003	869,154	258,270	-15.01	0.97 J	9.30	Deleted
SMR-2	10/31/2003	869,139	258,239	-13.15	1 U	8.84	Deleted
SMR-2	8/2/2004	869,113	258,189	-9.05	1 UJ	8.08	Deleted
SMR-2	11/13/2004	869,104	258,170	-7.79	1 UJ	7.80	Deleted
SMR-2	2/1/2005	869,096	258,155	-6.49	1 U	7.58	Deleted
SMR-2	5/16/2005	869,086	258,136	-4.71	1 U	7.30	Deleted
SMR-2	11/5/2005	869,070	258,105	-2.05	1 U	6.82	Deleted
SMR-2	2/1/2006	869,062	258,089	-0.51	1 U	6.58	Deleted
90WT0014	5/13/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
C3-B (-49.32)	4/13/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
C3-B (-69.32)	9/20/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
C3-B (-59.32)	9/20/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
C3-B (-49.32)	9/21/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
C3-B (-39.32)	9/21/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
C3-B (-29.32)	9/21/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
C3-C (-108.30)	9/22/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
DP-382 (65.50)	6/21/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
DP-382 (55.50)	6/22/2005	N/A	N/A	N/A	1.5	N/A	Predicted Extraction/Removal
DP-382 (45.50)	6/22/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
DP-382 (35.50)	6/22/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
DP-382 (25.50)	6/22/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
DP-382 (15.50)	6/22/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
DP-382 (5.50)	6/23/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
DP-382 (-4.50)	6/23/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-01 (23.18)	2/20/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-01 (13.18)	2/20/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-01 (3.18)	2/20/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-01 (-6.82)	2/21/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-01 (-36.82)	2/21/2008	N/A	N/A	N/A	2.58 J	N/A	Predicted Extraction/Removal
J2MW-01 (-16.82)	2/21/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-01 (-26.82)	2/21/2008	N/A	N/A	N/A	1 UJ	N/A	Predicted Extraction/Removal
J2MW-01 (-46.82)	2/22/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-01 (-56.82)	2/25/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-01 (-66.82)	2/25/2008	N/A	N/A	N/A	4.97	N/A	Predicted Extraction/Removal
J2MW-01 (-76.82)	2/26/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-01 (-86.82)	2/26/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-01 (-96.82)	2/27/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-01 (-106.82)	2/27/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-01 (-116.82)	2/28/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-01 (-126.82)	2/28/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-01M1	9/10/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-01M1	9/15/2010	N/A	N/A	N/A	0.05 U	N/A	Predicted Extraction/Removal
J2MW-01M1	10/12/2011	N/A	N/A	N/A	0.05 U	N/A	Predicted Extraction/Removal
J2MW-01M2	9/10/2009	N/A	N/A	N/A	24.3	N/A	Predicted Extraction/Removal
J2MW-01M2	9/15/2010	N/A	N/A	N/A	29.4	N/A	Predicted Extraction/Removal
J2MW-01M2	10/13/2011	N/A	N/A	N/A	20.6	N/A	Predicted Extraction/Removal
J2MW-01M2	8/28/2012	N/A	N/A	N/A	17.3	N/A	Predicted Extraction/Removal
J2MW-04 (60.65)	5/28/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-04 (50.65)	5/28/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-04 (42.15)	5/28/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-04 (32.15)	5/28/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-04 (22.15)	5/28/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-04 (12.15)	5/28/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-04 (2.15)	5/28/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-04 (-7.85)	5/29/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-04 (-17.85)	5/29/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-04 (-27.85)	5/29/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-04 (-37.85)	5/29/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-04 (-47.85)	5/29/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-04 (-57.85)	5/29/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-04 (-67.85)	5/29/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-04 (-77.85)	5/29/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-04 (-87.85)	5/29/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-04 (-97.85)	5/29/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-04M2	2/26/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-05 (44.58)	2/6/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-05 (34.58)	2/7/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-05 (24.58)	2/7/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-05 (14.58)	2/7/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-05 (4.58)	2/7/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-05 (-5.42)	2/8/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-05 (-15.42)	2/8/2008	N/A	N/A	N/A	7.66	N/A	Predicted Extraction/Removal

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
J2MW-05 (-25.42)	2/8/2008	N/A	N/A	N/A	12.7	N/A	Predicted Extraction/Removal
J2MW-05 (-35.42)	2/11/2008	N/A	N/A	N/A	7.09	N/A	Predicted Extraction/Removal
J2MW-05 (-45.42)	2/11/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-05 (-55.42)	2/12/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-05 (-65.42)	2/12/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-05 (-75.42)	2/12/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-05 (-85.42)	2/13/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-05 (-95.42)	2/13/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-05M1	9/17/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-05M1	10/5/2010	N/A	N/A	N/A	0.163	N/A	Predicted Extraction/Removal
J2MW-05M1	10/18/2011	N/A	N/A	N/A	0.169	N/A	Predicted Extraction/Removal
J2MW-05M2	9/15/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2MW-05M2	10/5/2010	N/A	N/A	N/A	0.219	N/A	Predicted Extraction/Removal
J2MW-05M2	10/18/2011	N/A	N/A	N/A	0.09	N/A	Predicted Extraction/Removal
J2MW-05M2	8/15/2012	N/A	N/A	N/A	0.06	N/A	Predicted Extraction/Removal
MW-215 (31.88)	5/6/2002	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-215 (21.88)	5/6/2002	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-215 (11.88)	5/6/2002	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-215 (1.88)	5/6/2002	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-215 (-8.12)	5/6/2002	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-215 (-38.12)	5/6/2002	N/A	N/A	N/A	0.92 J	N/A	Predicted Extraction/Removal
MW-215 (-98.12)	5/8/2002	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-215M2	8/1/2002	N/A	N/A	N/A	0.45 J	N/A	Predicted Extraction/Removal
MW-321 (57.38)	3/15/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-321 (53.38)	3/15/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-321 (43.38)	3/15/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-321 (33.38)	3/15/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-321 (23.38)	3/15/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-321 (13.38)	3/15/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-321 (3.38)	3/15/2004	N/A	N/A	N/A	1.4	N/A	Predicted Extraction/Removal
MW-321 (-6.62)	3/16/2004	N/A	N/A	N/A	3.7	N/A	Predicted Extraction/Removal
MW-321 (-16.62)	3/16/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-321 (-26.62)	3/16/2004	N/A	N/A	N/A	1.1	N/A	Predicted Extraction/Removal
MW-321 (-36.62)	3/17/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-321 (-46.62)	3/18/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-321M1	6/14/2004	N/A	N/A	N/A	3.5	N/A	Predicted Extraction/Removal
MW-321M1	10/14/2004	N/A	N/A	N/A	4.5	N/A	Predicted Extraction/Removal
MW-321M1	2/11/2005	N/A	N/A	N/A	5.2	N/A	Predicted Extraction/Removal
MW-321M1	11/22/2005	N/A	N/A	N/A	2.8	N/A	Predicted Extraction/Removal
MW-321M1	1/31/2006	N/A	N/A	N/A	2.1	N/A	Predicted Extraction/Removal
MW-321M1	3/29/2006	N/A	N/A	N/A	1.6	N/A	Predicted Extraction/Removal
MW-321M2	6/14/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-321M2	10/14/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-321M2	2/11/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-321M2	11/22/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-321M2	1/31/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-321M2	10/11/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-324 (-35.92)	3/30/2004	N/A	N/A	N/A	1.8	N/A	Predicted Extraction/Removal
MW-324 (-55.92)	3/30/2004	N/A	N/A	N/A	0.74 J	N/A	Predicted Extraction/Removal
MW-324 (-65.92)	3/31/2004	N/A	N/A	N/A	1.1	N/A	Predicted Extraction/Removal
MW-324 (-75.92)	3/31/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-324 (-85.92)	4/1/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-324 (-95.92)	4/1/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-324 (-105.92)	4/1/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-324 (-115.92)	4/1/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-324M1	5/27/2004	N/A	N/A	N/A	1.9	N/A	Predicted Extraction/Removal
MW-324M1	10/20/2004	N/A	N/A	N/A	2.2	N/A	Predicted Extraction/Removal
MW-324M1	2/23/2005	N/A	N/A	N/A	2.2	N/A	Predicted Extraction/Removal
MW-324M1	10/31/2005	N/A	N/A	N/A	0.91 J	N/A	Predicted Extraction/Removal
MW-324M1	1/18/2006	N/A	N/A	N/A	1.2	N/A	Predicted Extraction/Removal
MW-324M1	3/30/2006	N/A	N/A	N/A	0.91 J	N/A	Predicted Extraction/Removal
MW-324M1	4/9/2007	N/A	N/A	N/A	1.1	N/A	Predicted Extraction/Removal
MW-324M1	4/28/2008	N/A	N/A	N/A	1.7	N/A	Predicted Extraction/Removal
MW-324M1	2/25/2009	N/A	N/A	N/A	1.36	N/A	Predicted Extraction/Removal
MW-324M1	9/10/2009	N/A	N/A	N/A	0.597 J	N/A	Predicted Extraction/Removal
MW-324M1	3/3/2010	N/A	N/A	N/A	0.299 J	N/A	Predicted Extraction/Removal
MW-324M1	9/15/2010	N/A	N/A	N/A	0.721	N/A	Predicted Extraction/Removal
MW-324M1	3/16/2011	N/A	N/A	N/A	1.39	N/A	Predicted Extraction/Removal
MW-324M1	10/27/2011	N/A	N/A	N/A	2.41	N/A	Predicted Extraction/Removal
MW-324M2	7/7/2004	N/A	N/A	N/A	1	N/A	Predicted Extraction/Removal
MW-324M2	10/20/2004	N/A	N/A	N/A	0.67 J	N/A	Predicted Extraction/Removal
MW-324M2	2/23/2005	N/A	N/A	N/A	0.7 J	N/A	Predicted Extraction/Removal

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-324M2	10/31/2005	N/A	N/A	N/A	0.42 J	N/A	Predicted Extraction/Removal
MW-324M2	1/18/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-324M2	3/30/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-324M2	4/9/2007	N/A	N/A	N/A	0.47 J	N/A	Predicted Extraction/Removal
MW-324M2	4/28/2008	N/A	N/A	N/A	0.68 J	N/A	Predicted Extraction/Removal
MW-324M2	2/25/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-324M2	9/10/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-324M2	3/3/2010	N/A	N/A	N/A	0.925	N/A	Predicted Extraction/Removal
MW-324M2	9/15/2010	N/A	N/A	N/A	1.56	N/A	Predicted Extraction/Removal
MW-324M2	3/16/2011	N/A	N/A	N/A	1.8	N/A	Predicted Extraction/Removal
MW-335M1	4/9/2007	N/A	N/A	N/A	5.5	N/A	Predicted Extraction/Removal
MW-335M1	4/28/2008	N/A	N/A	N/A	18.3	N/A	Predicted Extraction/Removal
MW-335M1	2/24/2009	N/A	N/A	N/A	48.6	N/A	Predicted Extraction/Removal
MW-335M1	9/22/2009	N/A	N/A	N/A	20.4	N/A	Predicted Extraction/Removal
MW-335M1	3/9/2010	N/A	N/A	N/A	18.2	N/A	Predicted Extraction/Removal
MW-335M1	9/14/2010	N/A	N/A	N/A	4.84	N/A	Predicted Extraction/Removal
MW-335M1	3/15/2011	N/A	N/A	N/A	0.594	N/A	Predicted Extraction/Removal
MW-335M2	4/4/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-335M2	4/10/2007	N/A	N/A	N/A	0.53 J	N/A	Predicted Extraction/Removal
MW-335M2	4/28/2008	N/A	N/A	N/A	1.3	N/A	Predicted Extraction/Removal
MW-335M2	2/24/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-335M2	9/15/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-335M2	3/9/2010	N/A	N/A	N/A	0.11	N/A	Predicted Extraction/Removal
MW-335M2	9/14/2010	N/A	N/A	N/A	0.098	N/A	Predicted Extraction/Removal
MW-368 (54.43)	4/12/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-368 (41.43)	4/13/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-368 (31.43)	4/13/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-368 (21.43)	4/13/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-368 (11.43)	4/13/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-368 (1.43)	4/13/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-368 (-8.57)	4/13/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-368 (-18.57)	4/13/2005	N/A	N/A	N/A	0.76 J	N/A	Predicted Extraction/Removal
MW-368 (-28.57)	4/13/2005	N/A	N/A	N/A	12	N/A	Predicted Extraction/Removal
MW-368 (-38.57)	4/13/2005	N/A	N/A	N/A	69	N/A	Predicted Extraction/Removal
MW-368 (-48.57)	4/14/2005	N/A	N/A	N/A	6.2	N/A	Predicted Extraction/Removal
MW-368 (-68.57)	4/14/2005	N/A	N/A	N/A	37	N/A	Predicted Extraction/Removal
MW-368 (-78.57)	4/14/2005	N/A	N/A	N/A	2	N/A	Predicted Extraction/Removal
MW-368 (-88.57)	4/14/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-368 (-98.57)	4/15/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-368 (-108.57)	4/15/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-368M1	6/30/2005	N/A	N/A	N/A	15.8 J	N/A	Predicted Extraction/Removal
MW-368M1	10/28/2005	N/A	N/A	N/A	19.3	N/A	Predicted Extraction/Removal
MW-368M1	2/24/2006	N/A	N/A	N/A	15.9	N/A	Predicted Extraction/Removal
MW-368M1	3/27/2006	N/A	N/A	N/A	14.1	N/A	Predicted Extraction/Removal
MW-368M2	6/30/2005	N/A	N/A	N/A	39.8 J	N/A	Predicted Extraction/Removal
MW-368M2	10/28/2005	N/A	N/A	N/A	50.8	N/A	Predicted Extraction/Removal
MW-368M2	2/24/2006	N/A	N/A	N/A	55.6	N/A	Predicted Extraction/Removal
MW-368M2	3/28/2006	N/A	N/A	N/A	50.8	N/A	Predicted Extraction/Removal
MW-368M2	10/10/2006	N/A	N/A	N/A	42.5	N/A	Predicted Extraction/Removal
MW-368M2	4/12/2007	N/A	N/A	N/A	53	N/A	Predicted Extraction/Removal
MW-368M2	9/26/2007	N/A	N/A	N/A	58	N/A	Predicted Extraction/Removal
MW-368M2	4/14/2008	N/A	N/A	N/A	68.6	N/A	Predicted Extraction/Removal
MW-368M2	11/3/2008	N/A	N/A	N/A	54.1	N/A	Predicted Extraction/Removal
MW-368M2	2/23/2009	N/A	N/A	N/A	48.5	N/A	Predicted Extraction/Removal
MW-368M3	6/30/2005	N/A	N/A	N/A	1 UJ	N/A	Predicted Extraction/Removal
MW-368M3	10/28/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-368M3	2/24/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-393 (-156.49)	9/6/2005	N/A	N/A	N/A	0.9 J	N/A	Predicted Extraction/Removal
MW-393M1	4/9/2007	N/A	N/A	N/A	2.8	N/A	Predicted Extraction/Removal
MW-393M1	9/21/2007	N/A	N/A	N/A	3.7	N/A	Predicted Extraction/Removal
MW-393M1	4/10/2008	N/A	N/A	N/A	4.7	N/A	Predicted Extraction/Removal
MW-393M1	10/31/2008	N/A	N/A	N/A	4.9	N/A	Predicted Extraction/Removal
MW-393M1	9/3/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-393M1	10/4/2010	N/A	N/A	N/A	0.124	N/A	Predicted Extraction/Removal
MW-393M1	10/26/2011	N/A	N/A	N/A	0.026 J	N/A	Predicted Extraction/Removal
MW-393M2	9/21/2007	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-393M2	4/10/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-393M2	10/31/2008	N/A	N/A	N/A	0.63 J	N/A	Predicted Extraction/Removal
MW-393M2	9/3/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-393M2	10/4/2010	N/A	N/A	N/A	0.0246 J	N/A	Predicted Extraction/Removal
MW-393M2	10/26/2011	N/A	N/A	N/A	0.033 J	N/A	Predicted Extraction/Removal
PPPLDGE	7/8/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal

Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
PPPTENNIS	7/8/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
PWPALAND1	10/24/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
PWPALAND1	5/20/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS00145F	5/20/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS003P	5/6/2004	N/A	N/A	N/A	1.01	N/A	Predicted Extraction/Removal
RS003P	5/17/2004	N/A	N/A	N/A	0.873 J	N/A	Predicted Extraction/Removal
RS003P	5/26/2004	N/A	N/A	N/A	0.823 J	N/A	Predicted Extraction/Removal
RS003P	7/8/2004	N/A	N/A	N/A	1	N/A	Predicted Extraction/Removal
RS003P	8/4/2004	N/A	N/A	N/A	1.02	N/A	Predicted Extraction/Removal
RS003P	9/3/2004	N/A	N/A	N/A	1.32	N/A	Predicted Extraction/Removal
RS003P	10/6/2004	N/A	N/A	N/A	1.8	N/A	Predicted Extraction/Removal
RS003P	12/28/2004	N/A	N/A	N/A	1.86 J	N/A	Predicted Extraction/Removal
RS003P	1/25/2005	N/A	N/A	N/A	1.67	N/A	Predicted Extraction/Removal
RS003P	2/22/2005	N/A	N/A	N/A	2.1	N/A	Predicted Extraction/Removal
RS003P	4/7/2005	N/A	N/A	N/A	1.87	N/A	Predicted Extraction/Removal
RS003P	6/28/2005	N/A	N/A	N/A	1.1	N/A	Predicted Extraction/Removal
RS003P	7/26/2005	N/A	N/A	N/A	0.51 J	N/A	Predicted Extraction/Removal
RS003P	9/27/2005	N/A	N/A	N/A	0.39 J	N/A	Predicted Extraction/Removal
RS003P	10/25/2005	N/A	N/A	N/A	0.37 J	N/A	Predicted Extraction/Removal
RS004P	5/6/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS004P	8/4/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS004P	9/3/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS004P	10/6/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS004P	2/22/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS005P	5/6/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS005P	8/4/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS005P	9/3/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS005P	10/6/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS005P	2/22/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS006P	5/6/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS006P	8/4/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS006P	9/3/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS006P	10/6/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS007P	5/6/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS007P	8/4/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS007P	9/3/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS007P	10/6/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS007P	2/22/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS008P	9/2/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS008P	10/6/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS008P	2/22/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS009P	5/6/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS009P	8/4/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS009P	9/3/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS009P	10/6/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
RS009P	2/22/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-228 (-147.78)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-310 (-167.40)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-334 (-151.01)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-336 (-161.29)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-342 (-165.42)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-357 (-162.71)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-365 (-159.84)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-388 (-149.09)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-493 (60.50)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-493 (50.50)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-493 (40.50)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-493 (30.50)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-493 (20.50)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-493 (10.50)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-493 (0.50)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-493 (-9.50)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-493 (-19.50)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-494 (62.50)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-494 (52.50)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-494 (42.50)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-494 (32.50)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-494 (22.50)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-494 (12.50)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain
MW-494 (2.50)	N/A	N/A	N/A	N/A	N/A	N/A	No Within Model Domain

Notes:

U = non-detect

Used = point used to develop plume shell

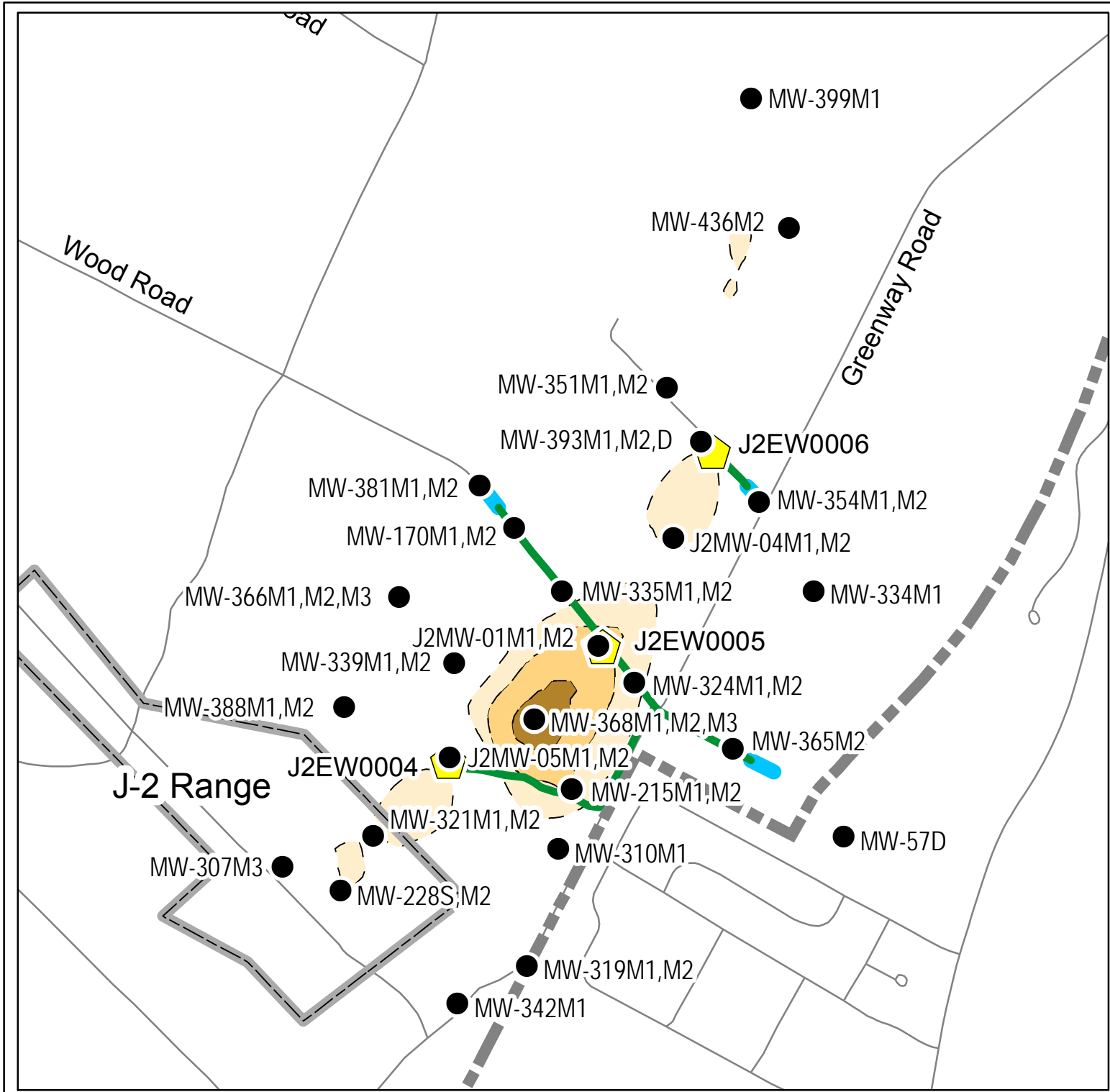
Table 1
J-2 Range Eastern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
J = estimated N/A = not applicable				Deleted = point not used to develop plume shell Predicted Extracted/Removed = predicted to have been extracted/removed Not Within Model Domain = outside of model domain and not simulated			

Appendix I

J2 Eastern: RDX Plume Shell Development

Figures



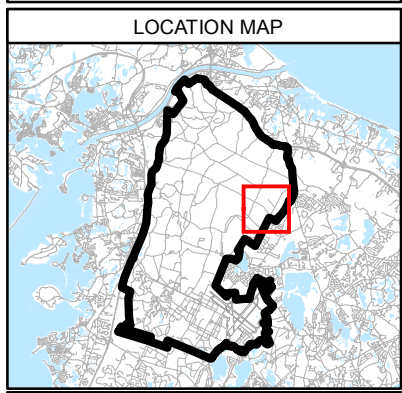
LEGEND

- Monitoring Well
- ◆ Extraction Well
- Infiltration Trench
- Effluent Piping
- - - J-2 Range Boundary
- ▬ MMR Boundary

RDX Detections

- 0.6-2 g/L
- 2-6 g/L
- 6-20 g/L

Plume: RDX (Revised Oct 2012)





NOTES & SOURCES

Map Coordinate System: NAD83 UTM Zone 19N Meters
Basemap data from US Geological Survey 7 1/2 minute
Topographic Maps: Source: MassGIS

TITLE

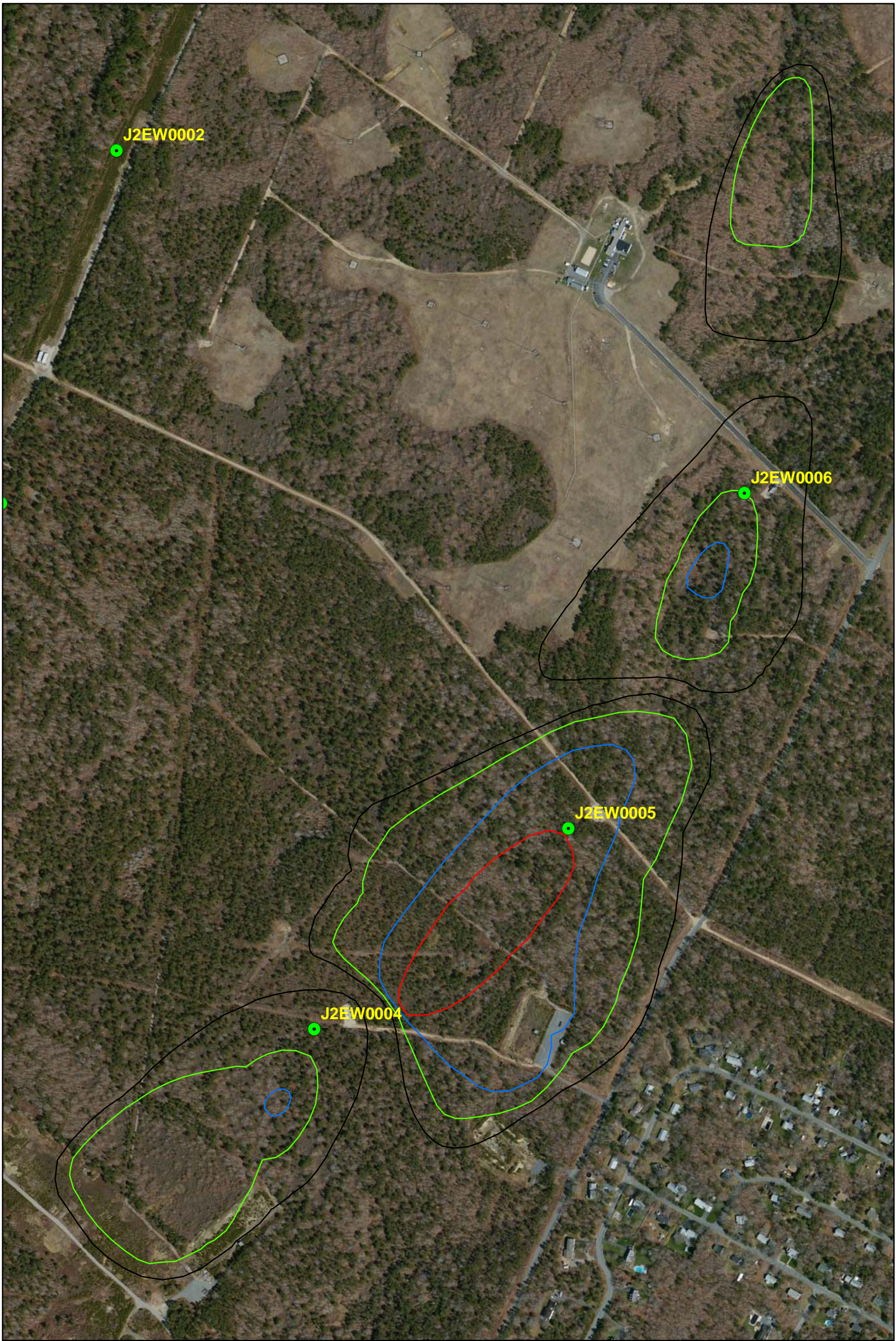
J-2 Range Eastern RDX
Plume and Current Chemical
Monitoring Network

0 1,000 Feet



US Army Corps
of Engineers
New England District

M:\MMR\2013\J2RIFS\Figures\Fig4-4_040813.pdf
M:\MMR\2013\J2RIFS\MXDs\Fig4-4_040813.mxd
April 8, 2013 DWN: MTW CHKD: KJH



RDX_DummyPolyDissolve	
Conc	
	0.25
	0.6
	2
	6



J-2 Range Eastern 2012
RDX Plume Shell

Plan View Plume Contours





RDX Contours

Upper and Lower Limits

Conc (ppb)
0.25
0.6
2
6

RDX Points Used

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 20.00

RDX Points Deleted

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 2.00

J-2 Range Eastern 2012
RDX Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: 40 to 50 feet msl



US Army Corps
of Engineers



RDX Contours

Upper and Lower Limits

Conc (ppb)

0.25

0.6

2

6

RDX Points Used

Conc (ppb)

0.00 - 0.25

0.26 - 0.60

0.61 - 2.00

2.01 - 6.00

6.01 - 20.00

RDX Points Deleted

Conc (ppb)

0.00 - 0.25

0.26 - 0.60

0.61 - 2.00

2.01 - 6.00

6.01 - 2.00

J-2 Range Eastern 2012
RDX Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: 30 to 40 feet msl



US Army Corps
of Engineers





RDX Contours

Upper and Lower Limits

Conc (ppb)
0.25
0.6
2
6

RDX Points Used

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 20.00

RDX Points Deleted

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 2.00

J-2 Range Eastern 2012
RDX Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: 20 to 30 feet msl



US Army Corps
of Engineers



RDX Contours

Upper and Lower Limits

Conc (ppb)
0.25
0.6
2
6

RDX Points Used

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 20.00

RDX Points Deleted

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 2.00

J-2 Range Eastern 2012
RDX Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: 10 to 20 feet msl



US Army Corps
of Engineers



RDX Contours

Upper and Lower Limits

Conc (ppb)

0.25

0.6

2

6

RDX Points Used

Conc (ppb)

0.00 - 0.25

0.26 - 0.60

0.61 - 2.00

2.01 - 6.00

6.01 - 20.00

RDX Points Deleted

Conc (ppb)

0.00 - 0.25

0.26 - 0.60

0.61 - 2.00

2.01 - 6.00

6.01 - 2.00

J-2 Range Eastern 2012
RDX Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: 0 to 10 feet msl



US Army Corps
of Engineers





RDX Contours

Upper and Lower Limits

Conc (ppb)
0.25
0.6
2
6

RDX Points Used

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 20.00

RDX Points Deleted

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 2.00

J-2 Range Eastern 2012
RDX Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -10 to 0 feet msl





RDX Contours

Upper and Lower Limits

Conc (ppb)
0.25
0.6
2
6

RDX Points Used

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 20.00

RDX Points Deleted

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 2.00

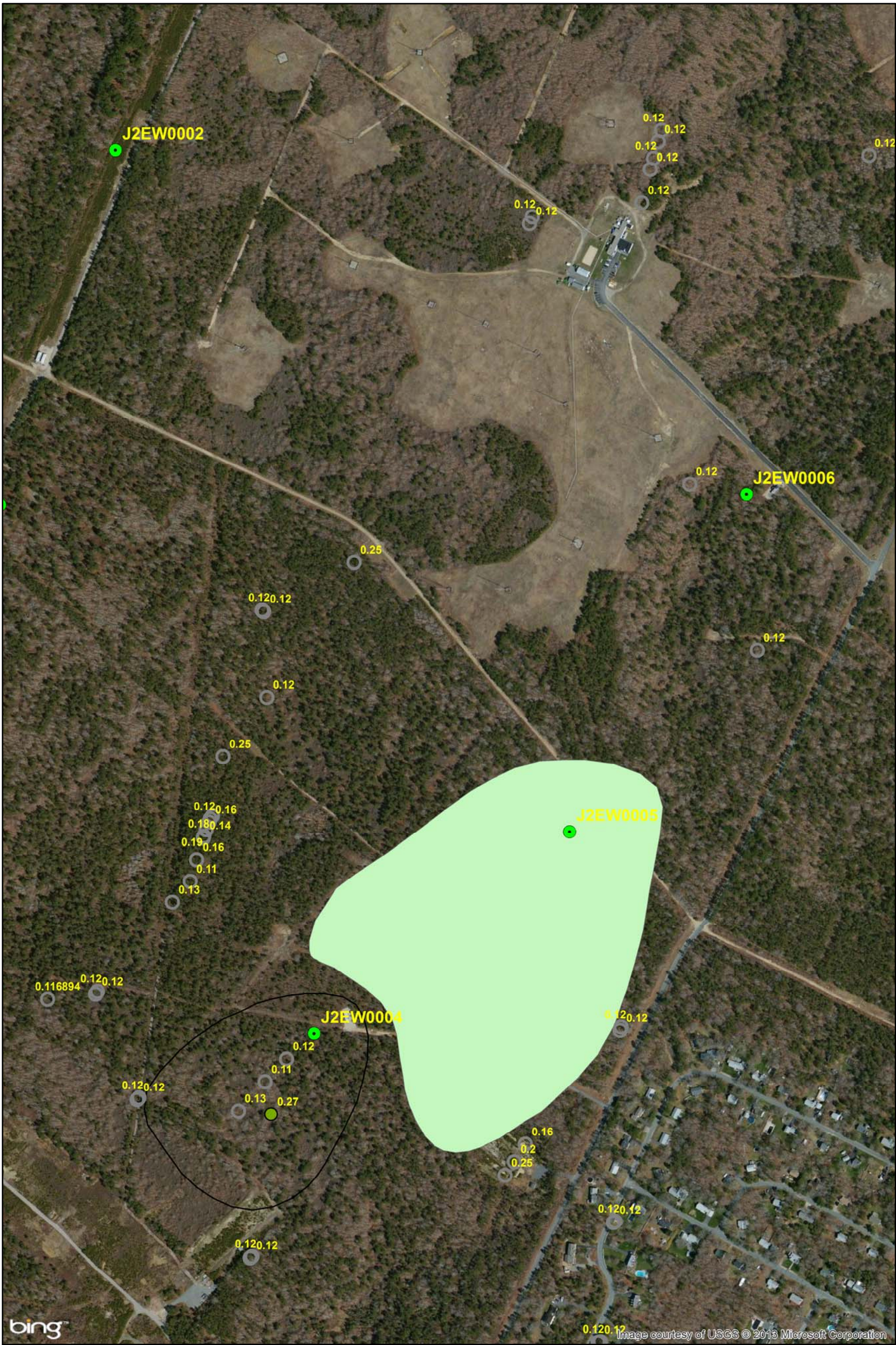
J-2 Range Eastern 2012
RDX Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -20 to -10 feet msl



US Army Corps
of Engineers



RDX Contours

Upper and Lower Limits

Conc (ppb)

0.25

0.6

2

6

RDX Points Used

Conc (ppb)

0.00 - 0.25

0.26 - 0.60

0.61 - 2.00

2.01 - 6.00

6.01 - 20.00

RDX Points Deleted

Conc (ppb)

0.00 - 0.25

0.26 - 0.60

0.61 - 2.00

2.01 - 6.00

6.01 - 2.00

J-2 Range Eastern 2012
RDX Plume Shell

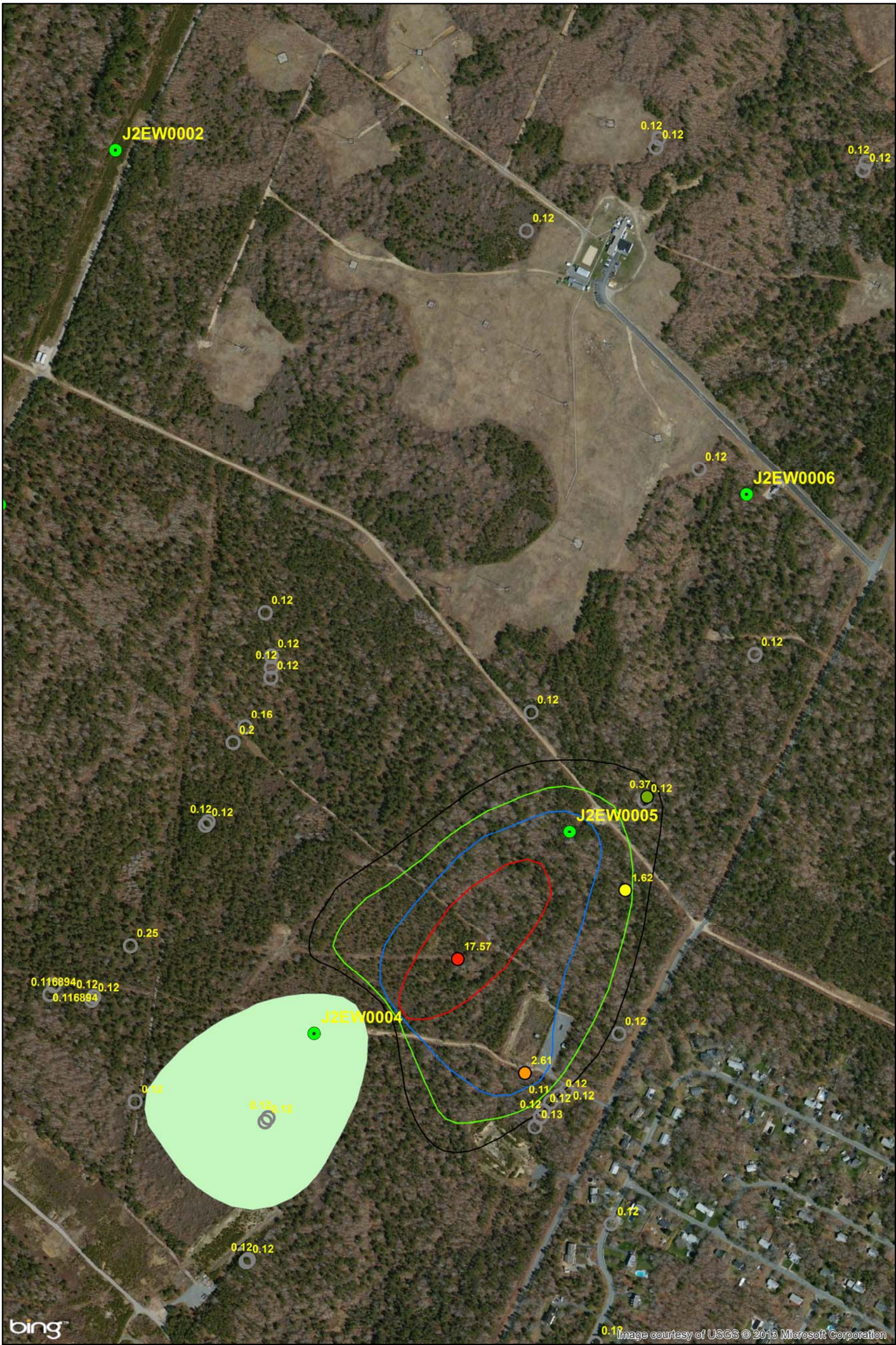
Migrated Concentration Data
and Associated Contours

Elevation Range: -30 to -20 feet msl



US Army Corps
of Engineers





RDX Contours

Upper and Lower Limits

Conc (ppb)

- 0.25
- 0.6
- 2
- 6

RDX Points Used

Conc (ppb)

- 0.00 - 0.25
- 0.26 - 0.60
- 0.61 - 2.00
- 2.01 - 6.00
- 6.01 - 20.00

RDX Points Deleted

Conc (ppb)

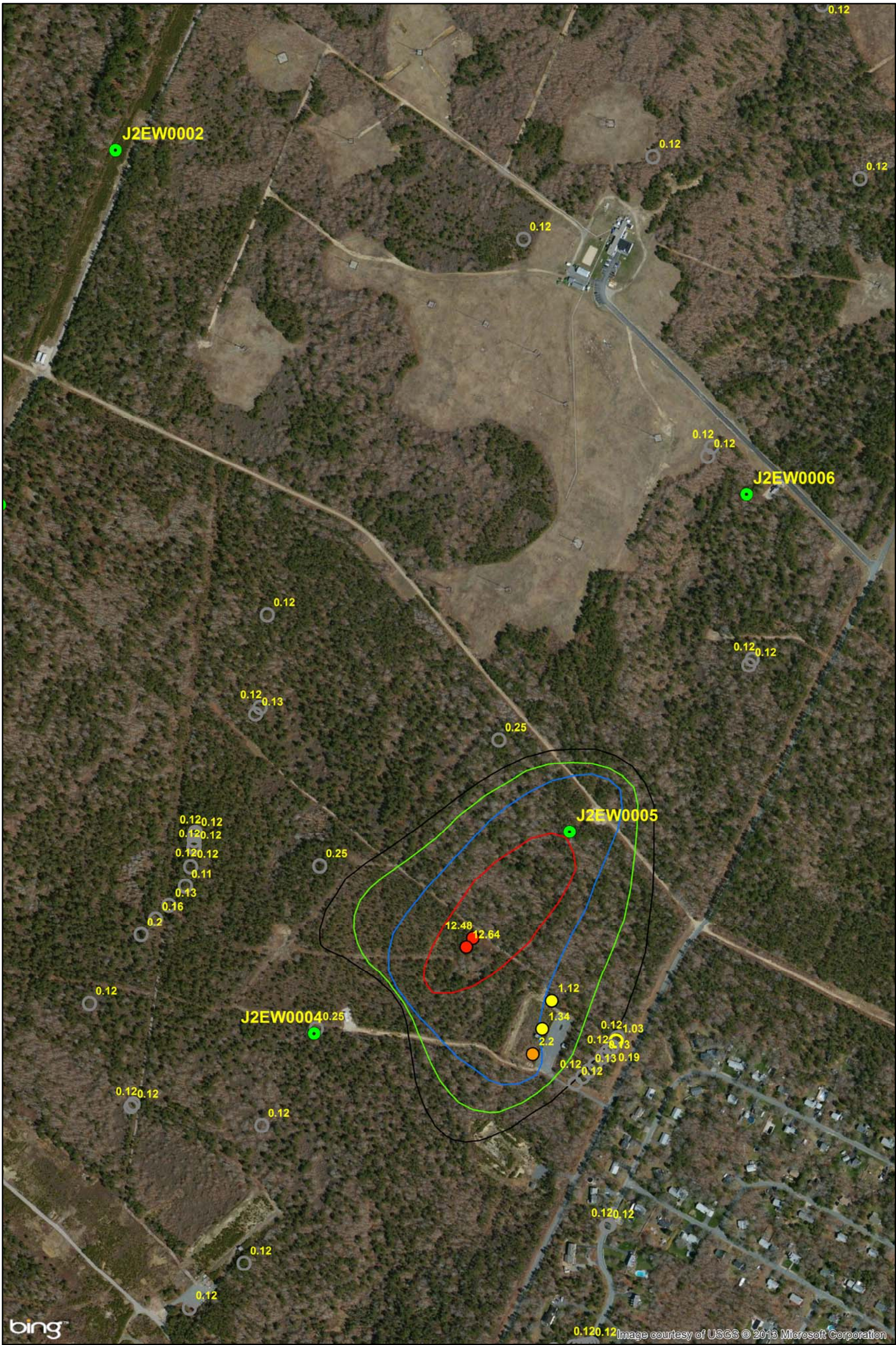
- 0.00 - 0.25
- 0.26 - 0.60
- 0.61 - 2.00
- 2.01 - 6.00
- 6.01 - 2.00

J-2 Range Eastern 2012
RDX Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -40 to -30 feet msl





RDX Contours

Upper and Lower Limits

Conc (ppb)
0.25
0.6
2
6

RDX Points Used

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 20.00

RDX Points Deleted

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 2.00

J-2 Range Eastern 2012
RDX Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -50 to -40 feet msl



US Army Corps
of Engineers



RDX Contours

Upper and Lower Limits

Conc (ppb)
0.25
0.6
2
6

RDX Points Used

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 20.00

RDX Points Deleted

Conc (ppb)

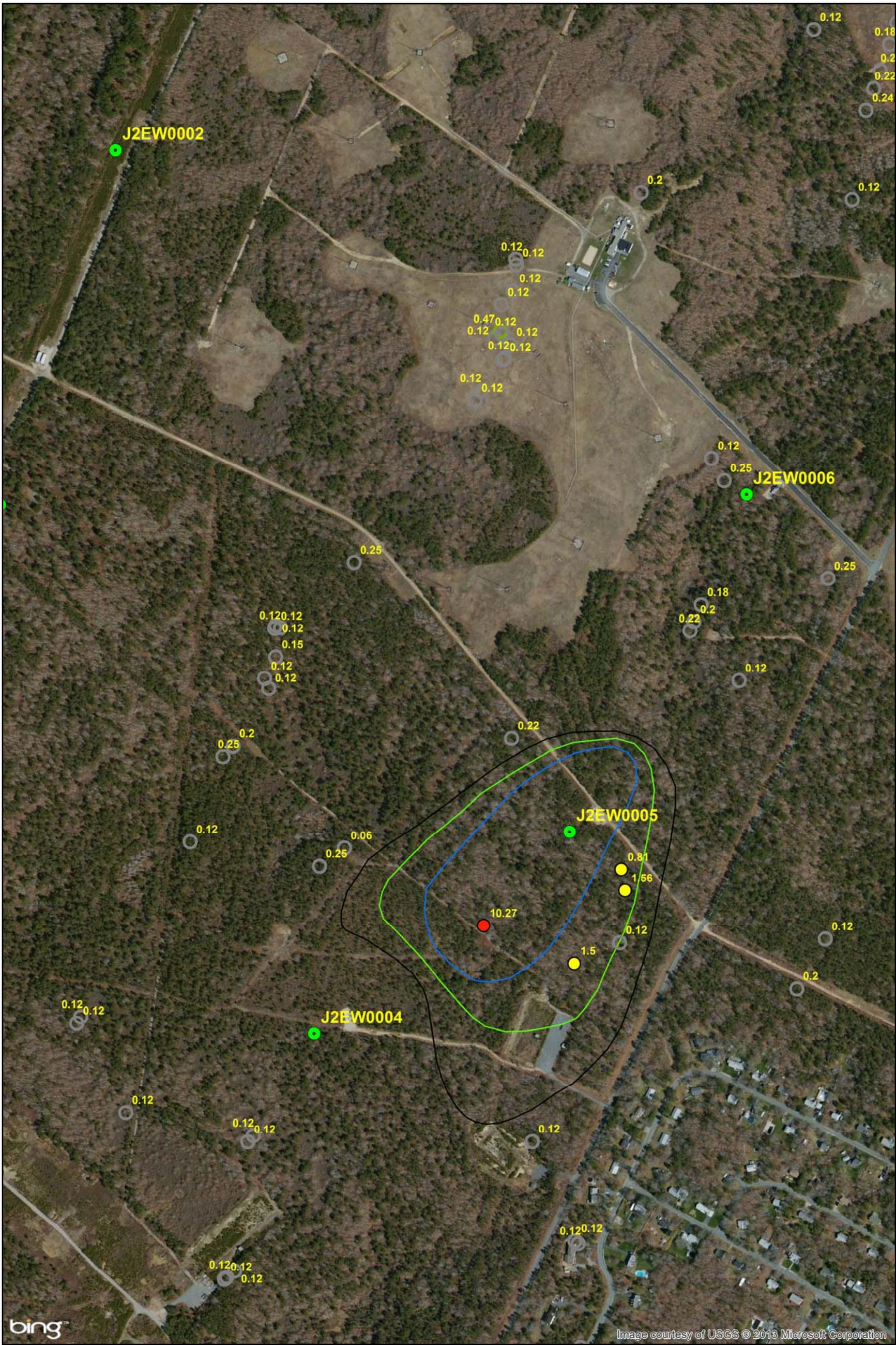
0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 2.00

J-2 Range Eastern 2012
RDX Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -60 to -50 feet msl





RDX Contours

Upper and Lower Limits

Conc (ppb)
0.25
0.6
2
6

RDX Points Used

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 20.00

RDX Points Deleted

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 2.00

J-2 Range Eastern 2012
RDX Plume Shell

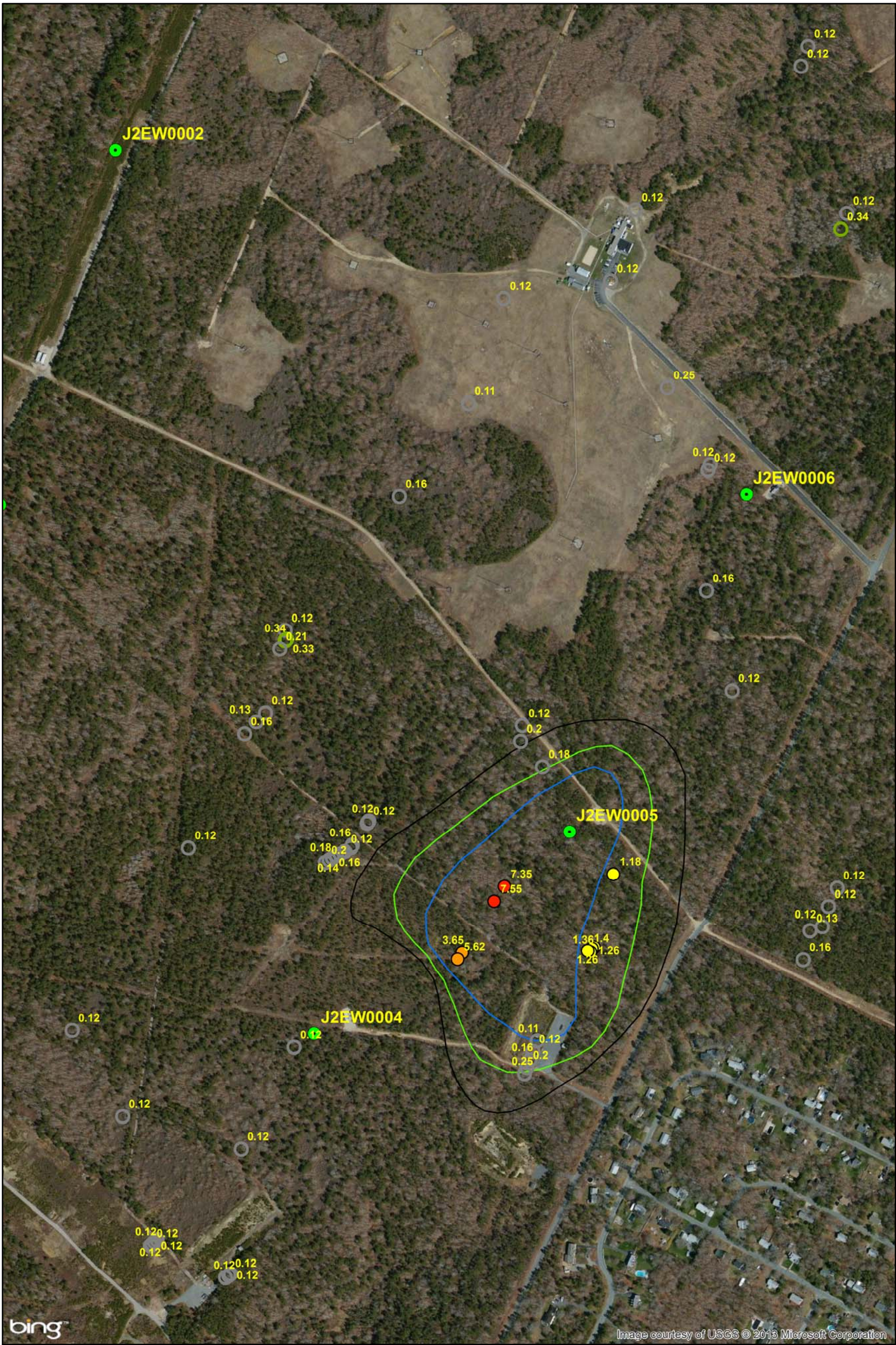
Migrated Concentration Data
and Associated Contours

Elevation Range: -70 to -60 feet msl



US Army Corps
of Engineers





RDX Contours

Upper and Lower Limits

Conc (ppb)

0.25

0.6

2

6

RDX Points Used

Conc (ppb)

0.00 - 0.25

0.26 - 0.60

0.61 - 2.00

2.01 - 6.00

6.01 - 20.00

RDX Points Deleted

Conc (ppb)

0.00 - 0.25

0.26 - 0.60

0.61 - 2.00

2.01 - 6.00

6.01 - 2.00

J-2 Range Eastern 2012
RDX Plume Shell

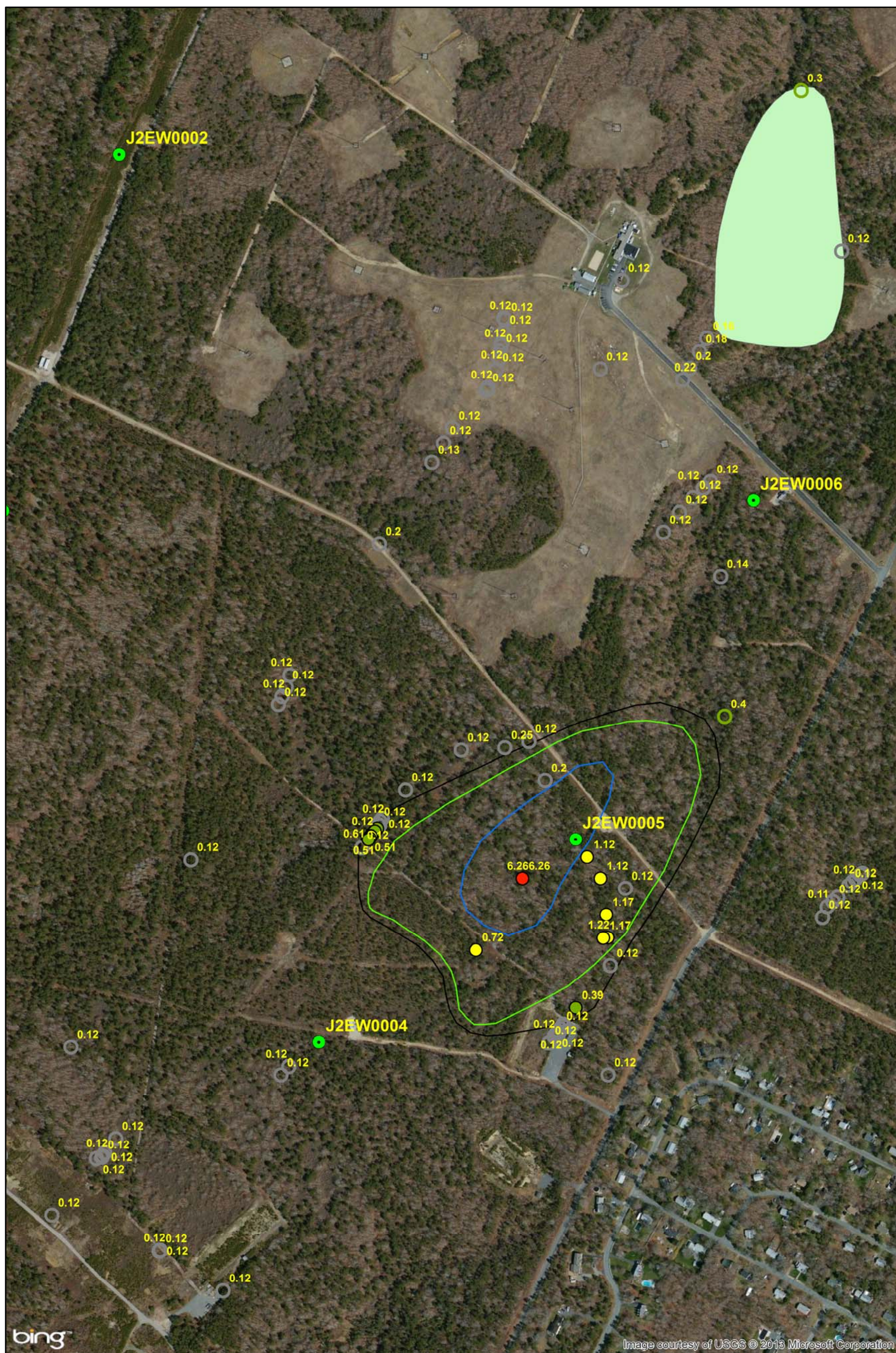
Migrated Concentration Data
and Associated Contours

Elevation Range: -80 to -70 feet msl



US Army Corps
of Engineers





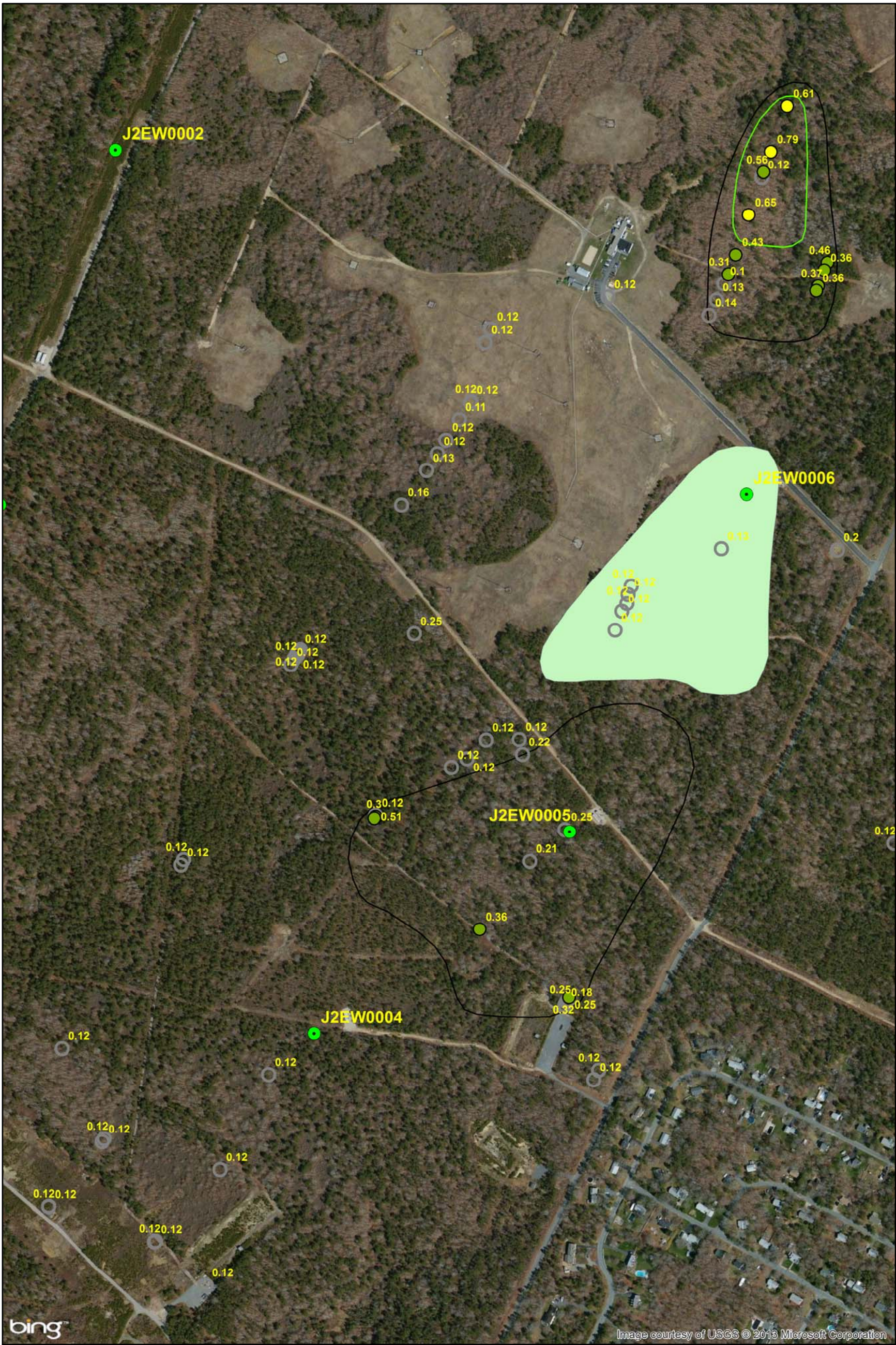
RDX Contours	RDX Points Used	RDX Points Deleted
<div> <div></div> Upper and Lower Limits </div>		
<div> <div></div> Conc (ppb) </div>	<div> <div></div> Conc (ppb) </div>	<div> <div></div> Conc (ppb) </div>
<div> <div></div> 0.25 </div>	<div> <div></div> 0.00 - 0.25 </div>	<div> <div></div> 0.00 - 0.25 </div>
<div> <div></div> 0.6 </div>	<div> <div></div> 0.26 - 0.60 </div>	<div> <div></div> 0.26 - 0.60 </div>
<div> <div></div> 2 </div>	<div> <div></div> 0.61 - 2.00 </div>	<div> <div></div> 0.61 - 2.00 </div>
<div> <div></div> 6 </div>	<div> <div></div> 2.01 - 6.00 </div>	<div> <div></div> 2.01 - 6.00 </div>
	<div> <div></div> 6.01 - 20.00 </div>	<div> <div></div> 6.01 - 2.00 </div>

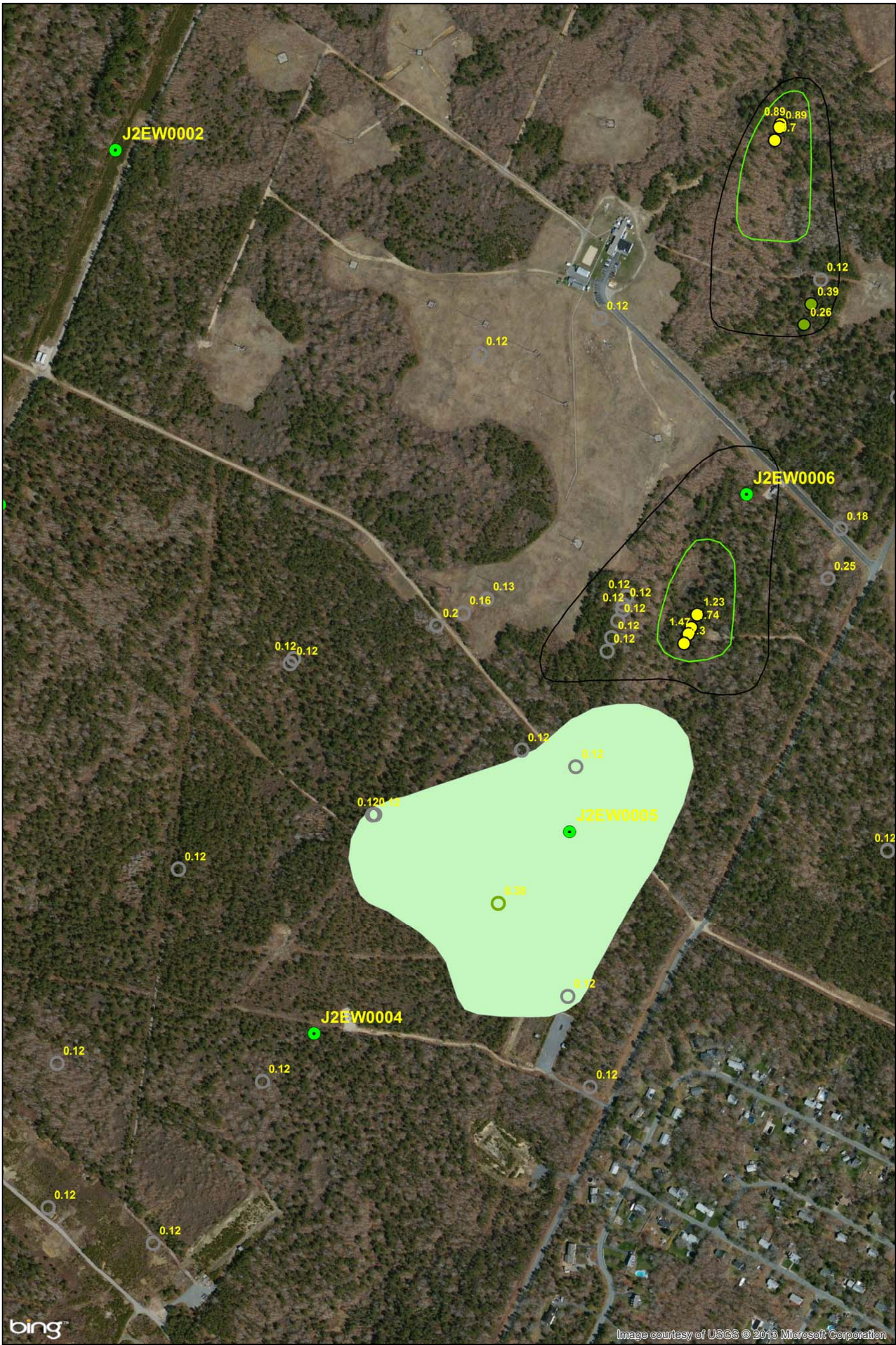
J-2 Range Eastern 2012
RDX Plume Shell

Migrated Concentration Data and Associated Contours

Elevation Range: -90 to -80 feet msl







RDX Contours

Upper and Lower Limits

Conc (ppb)
0.25
0.6
2
6

RDX Points Used

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 20.00

RDX Points Deleted

Conc (ppb)

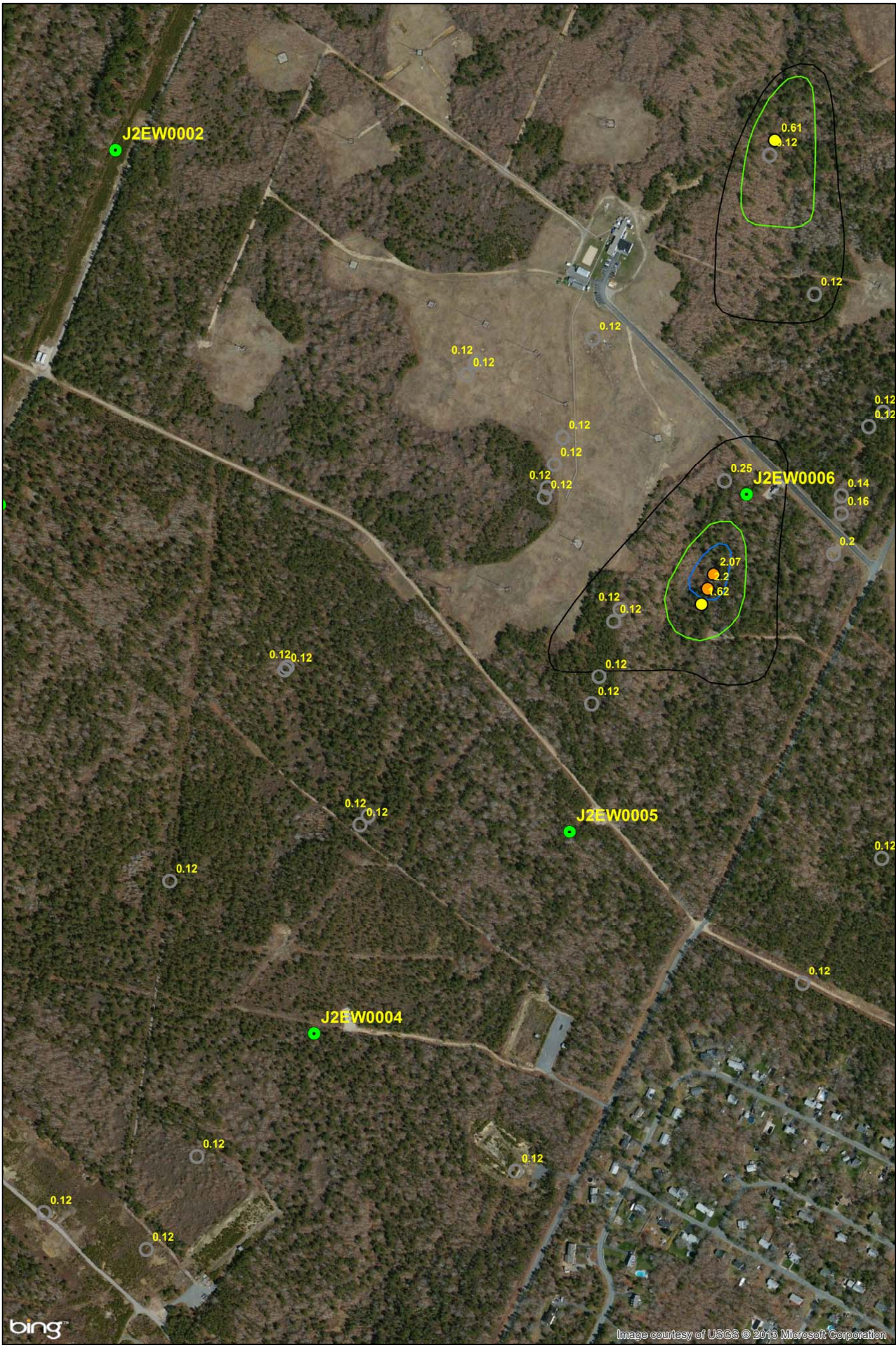
0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 2.00

J-2 Range Eastern 2012
RDX Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -110 to -100 feet msl





RDX Contours

Upper and Lower Limits

Conc (ppb)
0.25
0.6
2
6

RDX Points Used

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 20.00

RDX Points Deleted

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 2.00

J-2 Range Eastern 2012
RDX Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -120 to -110 feet msl



US Army Corps
of Engineers



RDX Contours

Upper and Lower Limits

Conc (ppb)
0.25
0.6
2
6

RDX Points Used

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 20.00

RDX Points Deleted

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 2.00

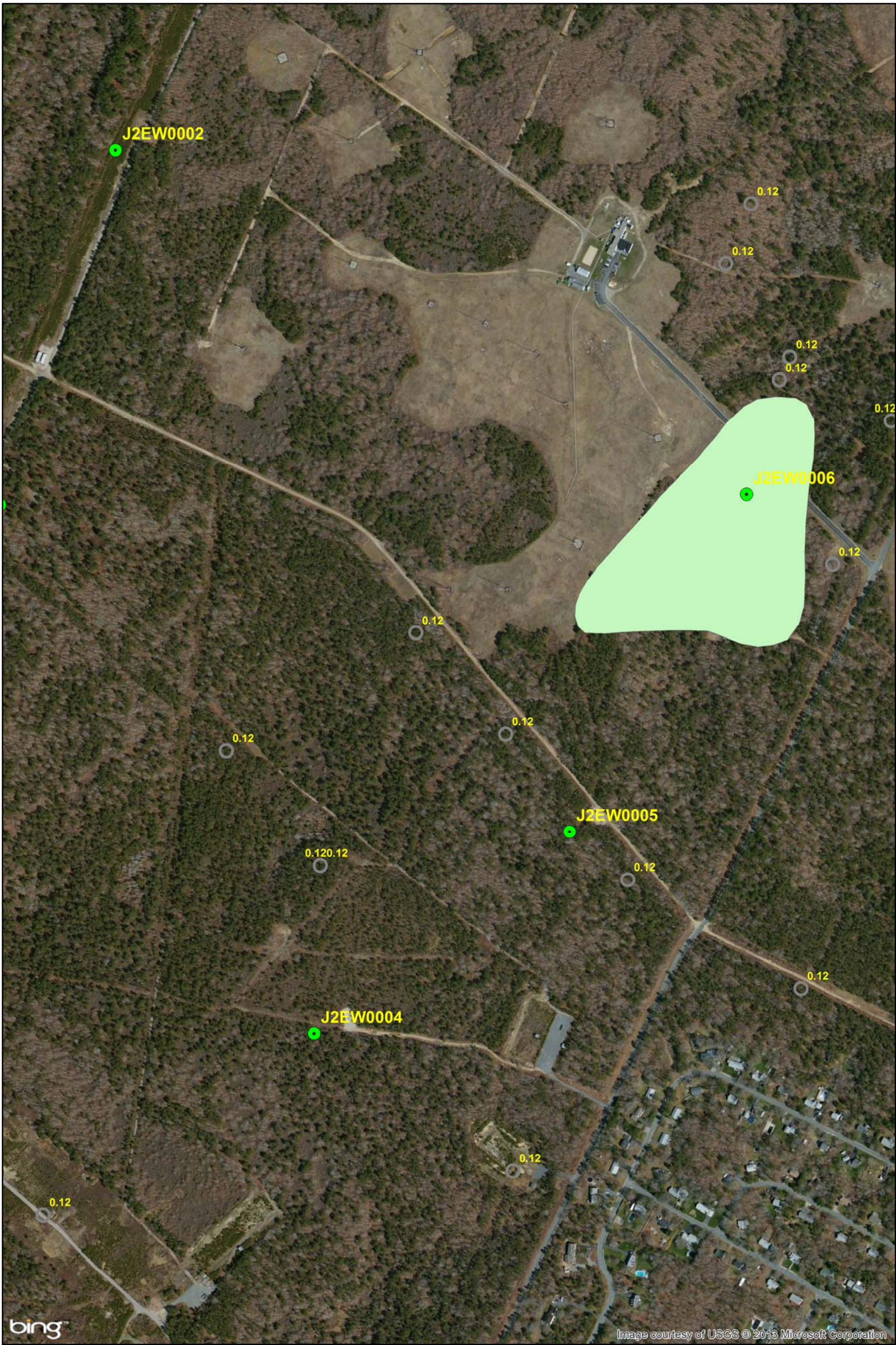
J-2 Range Eastern 2012
RDX Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -150 to -140 feet msl



US Army Corps
of Engineers



RDX Contours

Upper and Lower Limits

Conc (ppb)
0.25
0.6
2
6

RDX Points Used

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 20.00

RDX Points Deleted

Conc (ppb)

0.00 - 0.25
0.26 - 0.60
0.61 - 2.00
2.01 - 6.00
6.01 - 2.00

J-2 Range Eastern 2012
RDX Plume Shell

Migrated Concentration Data
and Associated Contours

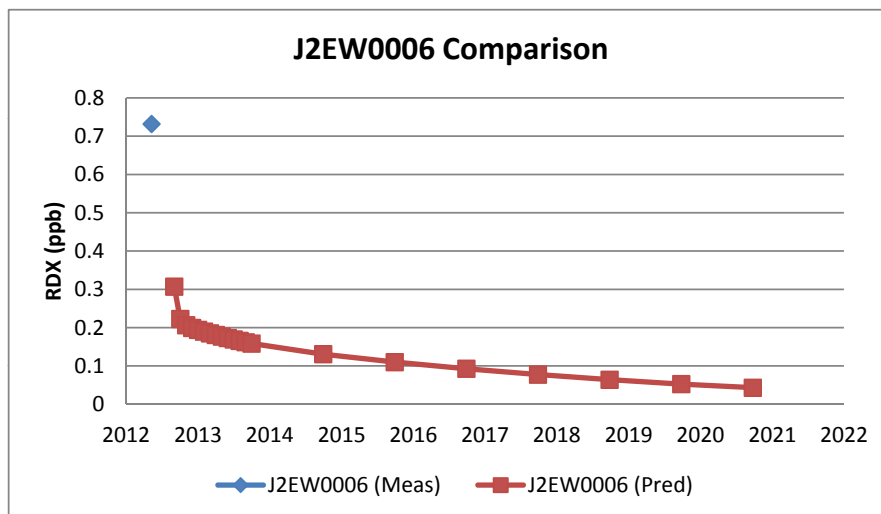
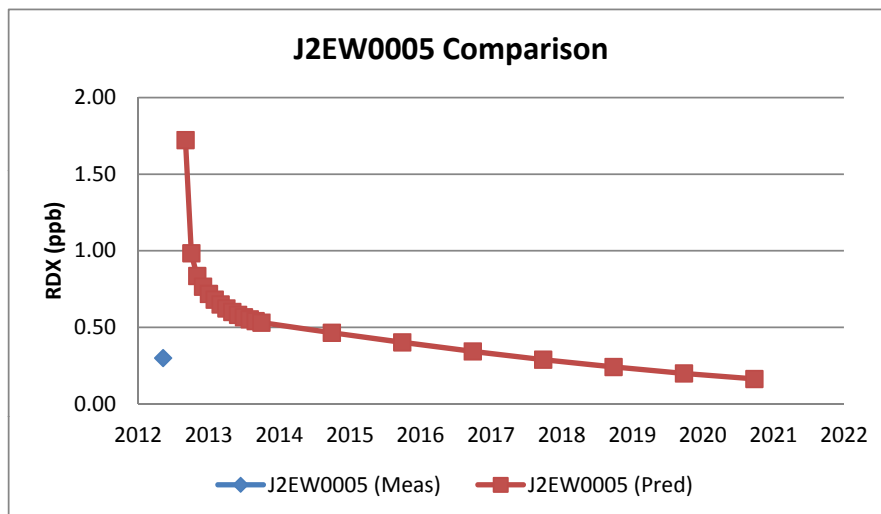
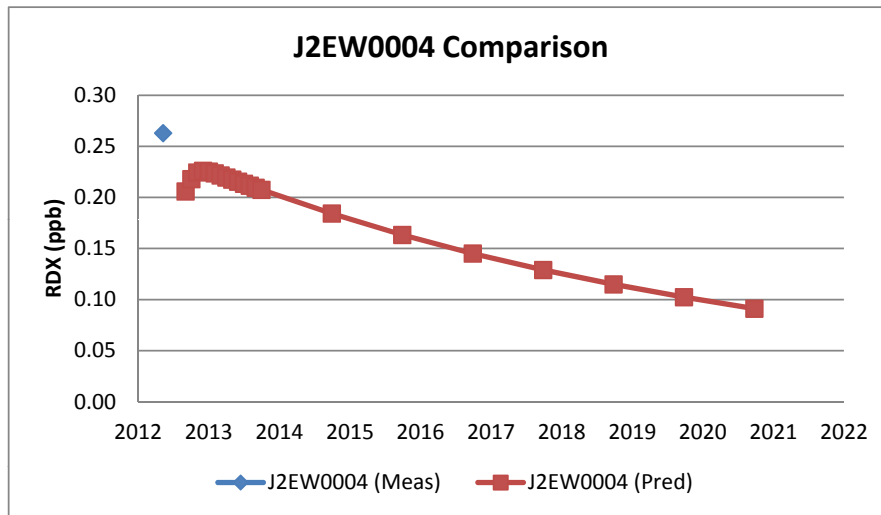
Elevation Range: -160 to -150 feet msl



US Army Corps
of Engineers



Figure X
J-2 Eastern: Measured and Predicted Extraction Well RDX Concentrations



Tables

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
J2MW-04 (-107.85)	5/29/2008	872,235	260,618	-121.06	4.3	4.26	Used
J2MW-04 (-117.85)	5/30/2008	872,191	260,520	-138.24	0.58	4.26	Used
J2MW-04 (-127.85)	5/30/2008	872,153	260,453	-143.57	1	4.26	Used
J2MW-04M1	9/10/2009	872,111	260,318	-117.92	3.99	2.98	Used
J2MW-04M1	3/5/2010	872,086	260,255	-114.30	3.9	2.49	Used
J2MW-04M1	10/5/2010	872,059	260,190	-111.42	2.55	1.91	Used
J2MW-04M1	3/17/2011	872,041	260,146	-109.81	1.74	1.46	Used
J2MW-04M1	10/24/2011	872,017	260,091	-107.98	2.14 J	0.86	Used
J2MW-04M1	2/29/2012	872,003	260,062	-106.58	1.66	0.51	Used
J2MW-04M1	8/29/2012	871,985	260,022	-104.75	1.3	0.01	Used
MW-215 (51.88)	5/6/2002	871,827	259,367	-33.82	0.8 J	10.32	Used
MW-215 (-68.12)	5/8/2002	871,496	258,502	-88.83	0.84 J	10.32	Used
MW-215 (-78.12)	5/8/2002	871,493	258,510	-94.95	0.69 J	10.32	Used
MW-215M2	10/28/2002	871,545	259,143	-82.54	2.4	9.85	Used
MW-215M2	3/3/2003	871,601	259,052	-86.54	2.4 J	9.50	Used
MW-215M2	7/6/2004	871,626	258,898	-85.02	2.5	8.16	Used
MW-215M2	9/9/2004	871,632	258,800	-83.92	2.6	7.98	Used
MW-215M2	2/9/2005	871,613	258,798	-83.04	2.5	7.56	Used
MW-215M2	6/16/2005	871,601	258,725	-76.23	2.7	7.21	Used
MW-215M2	8/30/2005	871,591	258,718	-75.54	2.7	7.01	Used
MW-215M2	12/13/2005	871,584	258,703	-73.38	2.9	6.72	Used
MW-215M2	3/28/2006	871,573	258,710	-74.37	3	6.43	Used
MW-215M2	4/10/2007	871,516	258,655	-64.22	3.2	5.40	Used
MW-215M2	4/29/2008	871,469	258,631	-57.21	3.1	4.34	Used
MW-215M2	9/11/2009	871,419	258,496	-49.63	2.16	2.97	Used
MW-215M2	9/29/2010	871,379	258,376	-44.21	2.11	1.92	Used
MW-215M2	10/13/2011	871,338	258,268	-40.64	2.72	0.89	Used
MW-215M2	8/15/2012	871,305	258,188	-38.22	2.64	0.05	Used
MW-228 (42.22)	6/28/2002	870,234	258,029	-19.14	6.4 J	10.18	Used
MW-228 (32.22)	7/8/2002	870,221	258,011	-25.60	0.57	10.15	Used
MW-228M2	8/29/2002	870,223	258,014	-19.21	1.7	10.01	Used
MW-228M2	2/10/2003	870,198	257,982	-17.79	0.85 J	9.56	Used
MW-228M2	2/24/2005	870,084	257,845	-9.44	1.3	7.52	Used
MW-228M2	5/16/2005	870,072	257,831	-8.28	1.6	7.30	Used
MW-228M2	9/15/2010	869,774	257,516	26.32	0.826	1.96	Used
MW-228M2	10/18/2011	869,706	257,450	34.45	0.943	0.87	Used
MW-228M2	8/7/2012	869,655	257,403	40.65	0.516	0.07	Used
MW-228S	6/19/2003	870,196	257,979	-1.84	1.1	9.20	Used
MW-228S	2/24/2005	870,097	257,860	6.59	0.71 J	7.52	Used
MW-228S	9/10/2005	870,067	257,825	9.69	0.65 J	6.98	Used
MW-307 (41.86)	1/28/2004	869,663	258,089	-14.02	0.58	8.59	Used
MW-307M3 (42.05)	4/11/2007	869,514	257,893	5.06	0.79	5.39	Used
MW-307M3	9/26/2007	869,493	257,866	8.08	0.91	4.93	Used
MW-310 (-27.40)	2/4/2004	871,688	258,307	-53.03	1.4	8.57	Used
MW-321M2	4/12/2007	870,343	258,299	-16.39	0.63	5.39	Used
MW-321M2	5/2/2008	870,217	258,173	-8.13	0.72	4.33	Used
MW-321M2	9/17/2009	870,092	258,036	-3.85	1.3	2.96	Used
MW-321M2	9/16/2010	870,014	257,950	0.86	0.516	1.96	Used
MW-324M1	2/28/2012	871,683	259,037	-74.38	1.33	0.51	Used
MW-324M1	8/29/2012	871,733	258,967	-66.06	1.56 J	0.01	Used
MW-324M2	10/27/2011	871,717	259,057	-65.77	1	0.85	Used
MW-324M2	2/28/2012	871,738	259,028	-52.48	1.51	0.51	Used
MW-324M2	8/29/2012	871,734	258,968	-35.39	1.62	0.01	Used
MW-339 (-71.16)	6/28/2004	870,667	259,282	-91.59	0.65	8.18	Used
MW-339M1	8/20/2004	870,662	259,276	-90.07	1.1	8.03	Used
MW-339M1	12/20/2004	870,652	259,264	-89.09	1.1	7.70	Used
MW-339M1	4/18/2005	870,643	259,252	-88.07	1	7.37	Used
MW-339M1	11/7/2005	870,627	259,232	-86.02	1.3 J	6.82	Used
MW-339M1	1/31/2006	870,620	259,223	-85.35	1.1	6.58	Used
MW-339M1	4/4/2006	870,615	259,217	-84.89	1.1	6.41	Used
MW-351 (-70.17)	9/17/2004	872,425	262,318	-94.85	1.3	7.96	Used
MW-351 (-80.17)	9/20/2004	872,398	262,241	-102.84	1.9	7.95	Used
MW-351 (-90.17)	9/20/2004	872,373	262,171	-110.87	1.3	7.95	Used
MW-351M2	11/18/2004	872,392	262,226	-101.37	1.9	7.79	Used
MW-351M2	3/29/2005	872,373	262,171	-100.48	1.5	7.43	Used
MW-351M2	7/26/2005	872,356	262,122	-99.69	1.7	7.10	Used
MW-351M2	2/1/2006	872,325	262,035	-99.46	1.2	6.58	Used
MW-351M2	4/9/2007	872,261	261,852	-95.92	1.4	5.40	Used
MW-351M2	4/11/2008	872,206	261,682	-95.09	0.94	4.39	Used
MW-351M2	11/3/2008	872,174	261,598	-94.17	0.65	3.83	Used
MW-368M1	9/22/2009	871,111	258,801	-92.87	0.687 J	2.94	Used
MW-368M1	9/2/2010	871,071	258,747	-84.53	1.15	2.00	Used

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-368M1	10/19/2011	871,037	258,701	-76.49	4.5	0.87	Used
MW-368M1	8/27/2012	871,017	258,673	-71.28	5.63	0.01	Used
MW-368M2	9/22/2009	871,269	259,052	-80.70	12	2.94	Used
MW-368M2	9/22/2009	871,269	259,052	-80.70	12	2.94	Used
MW-368M2	3/8/2010	871,218	258,984	-79.44	13	2.49	Used
MW-368M2	9/2/2010	871,174	258,920	-74.26	12.1	2.00	Used
MW-368M2	3/15/2011	871,129	258,817	-64.91	14.6	1.47	Used
MW-368M2	10/19/2011	871,083	258,763	-45.17	15.4	0.87	Used
MW-368M2	2/27/2012	871,055	258,725	-40.92	14.3	0.51	Used
MW-368M2	8/27/2012	871,018	258,674	-36.61	17.6	0.01	Used
MW-393 (-66.49)	8/23/2005	872,598	261,649	-96.14	0.98 J	7.03	Used
MW-393M2	10/26/2005	872,584	261,616	-96.77	0.78	6.85	Used
MW-393M2	2/23/2006	872,557	261,549	-98.19	0.79	6.52	Used
MW-393M2	3/29/2006	872,550	261,530	-98.65	0.77	6.43	Used
MW-393M2	6/22/2006	872,528	261,472	-100.87	0.84	6.20	Used
MW-393M2	10/10/2006	872,497	261,384	-104.90	0.56	5.89	Used
15MW0001	6/17/1999	872,875	265,697	-27.10	0.25 U	13.21	Deleted
15MW0001	10/25/1999	872,842	265,570	-25.34	0.25 U	12.85	Deleted
15MW0001	2/3/2000	872,817	265,472	-23.88	0.25 U	12.58	Deleted
15MW0002	4/8/1999	872,789	265,325	-27.90	1 U	13.40	Deleted
15MW0002	10/11/1999	872,744	265,152	-25.24	0.25 U	12.89	Deleted
15MW0002	1/26/2000	872,718	265,054	-23.59	0.25 U	12.60	Deleted
15MW0004	4/9/1999	872,806	265,521	-28.16	0.25 U	13.40	Deleted
15MW0004	10/11/1999	872,761	265,345	-25.55	0.25 U	12.89	Deleted
15MW0004	1/25/2000	872,735	265,246	-23.99	0.25 U	12.60	Deleted
15MW0005	4/28/1999	872,847	265,320	-28.72	0.25 U	13.35	Deleted
15MW0005	11/4/1999	872,801	265,143	-26.02	0.25 U	12.83	Deleted
15MW0005	2/5/2000	872,779	265,058	-24.66	0.25 U	12.57	Deleted
15MW0006	4/12/1999	872,824	265,842	-30.74	0.25 U	13.39	Deleted
15MW0006	10/22/1999	872,776	265,651	-28.45	0.25 U	12.86	Deleted
15MW0006	1/24/2000	872,753	265,560	-27.17	0.25 U	12.60	Deleted
15MW0007	6/16/1999	872,296	263,390	-143.30	0.25 U	13.21	Deleted
15MW0007	10/22/1999	872,281	263,340	-143.00	0.25 U	12.86	Deleted
15MW0007	2/4/2000	872,269	263,299	-142.85	0.25 U	12.57	Deleted
15MW0008	4/12/1999	871,634	264,506	-125.69	0.25 U	13.39	Deleted
15MW0008	10/11/1999	871,628	264,499	-124.81	0.25 U	12.89	Deleted
15MW0008	1/24/2000	871,625	264,495	-123.90	0.25 U	12.60	Deleted
15MW0009	4/13/1999	872,347	263,428	-137.89	0.25 U	13.39	Deleted
15MW0009	10/11/1999	872,324	263,354	-137.58	0.25 U	12.89	Deleted
15MW0009	1/25/2000	872,311	263,310	-137.24	0.25 U	12.60	Deleted
15WT0007	4/13/1999	872,322	263,010	-142.70	0.25 U	13.39	Deleted
15WT0007	10/12/1999	872,301	262,942	-142.30	0.25 U	12.89	Deleted
15WT0007	1/26/2000	872,288	262,904	-142.05	0.25 U	12.60	Deleted
84MW0003	9/2/2004	873,374	262,595	1.72	0.25 U	8.00	Deleted
90WT0009	7/22/2005	871,648	255,077	21.28	0.25 U	7.11	Deleted
C1-B	4/12/2004	874,761	265,670	-49.49	0.25 U	8.39	Deleted
C1-C (-58.93)	4/12/2004	874,668	265,194	-82.51	0.25 U	8.39	Deleted
C1-C (-73.93)	9/24/2004	874,595	264,926	-91.61	0.25 U	7.94	Deleted
C1-C (-63.93)	9/24/2004	874,627	265,040	-84.73	0.25 U	7.94	Deleted
C1-C (-53.93)	9/24/2004	874,655	265,150	-77.87	0.25 U	7.94	Deleted
C1-C (-43.93)	9/24/2004	874,682	265,260	-71.14	0.25 U	7.94	Deleted
C2-B	4/13/2004	875,585	264,199	-39.90	0.25 U	8.38	Deleted
C2-C (-41.03)	4/13/2004	875,560	263,877	-70.53	0.25 U	8.38	Deleted
C2-C (-56.03)	9/22/2004	875,511	263,610	-79.60	0.25 U	7.94	Deleted
C2-C (-46.03)	9/23/2004	875,533	263,719	-72.57	0.25 U	7.94	Deleted
C2-C (-36.03)	9/23/2004	875,549	263,812	-65.74	0.25 U	7.94	Deleted
C2-C (-26.03)	9/23/2004	875,561	263,887	-59.04	0.25 U	7.94	Deleted
C3-C (-123.30)	4/13/2004	875,233	265,240	-114.34	0.25 U	8.38	Deleted
C3-C (-138.30)	9/21/2004	875,216	265,039	-135.34	0.25 U	7.94	Deleted
C3-C (-128.30)	9/22/2004	875,218	265,120	-119.53	0.25 U	7.94	Deleted
C3-C (-118.30)	9/22/2004	875,202	265,185	-107.57	0.25 U	7.94	Deleted
DP-371 (58.02)	5/17/2005	871,711	257,566	4.09	0.25 U	7.29	Deleted
DP-371 (50.77)	5/17/2005	871,708	257,564	-0.44	0.25 U	7.29	Deleted
DP-371 (38.52)	5/18/2005	871,701	257,561	-8.14	0.25 U	7.29	Deleted
DP-371 (28.52)	5/18/2005	871,696	257,557	-14.48	0.25 U	7.29	Deleted
DP-371 (18.52)	5/18/2005	871,690	257,553	-20.91	0.25 U	7.29	Deleted
DP-371 (8.52)	5/18/2005	871,682	257,548	-27.37	0.25 U	7.29	Deleted
DP-371 (-1.48)	5/18/2005	871,673	257,543	-33.90	0.25 U	7.29	Deleted
DP-371 (-11.48)	5/18/2005	871,664	257,537	-40.33	0.25 U	7.29	Deleted
DP-371 (-21.48)	5/19/2005	871,654	257,531	-47.04	0.25 U	7.29	Deleted
DP-371 (-31.48)	5/19/2005	871,584	257,477	-53.62	0.25 U	7.29	Deleted
DP-371 (-41.48)	5/19/2005	871,533	257,458	-61.09	0.25 U	7.29	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
DP-371 (-48.78)	5/19/2005	871,519	257,469	-66.61	0.25 U	7.29	Deleted
DP-377 (68.06)	5/31/2005	871,087	256,018	17.40	0.25 U	7.25	Deleted
DP-377 (58.06)	5/31/2005	871,083	256,019	12.34	0.25 U	7.25	Deleted
DP-377 (48.06)	5/31/2005	871,078	256,021	6.69	0.25 U	7.25	Deleted
DP-377 (38.06)	5/31/2005	871,073	256,023	0.98	0.25 U	7.25	Deleted
DP-377 (28.06)	6/1/2005	871,067	256,024	-4.80	0.25 U	7.25	Deleted
DP-377 (18.06)	6/1/2005	871,061	256,026	-10.70	0.25 U	7.25	Deleted
DP-377 (8.06)	6/1/2005	871,053	256,028	-16.60	0.25 U	7.25	Deleted
DP-377 (-1.94)	6/1/2005	871,043	256,031	-22.80	0.25 U	7.25	Deleted
DP-377 (-11.94)	6/2/2005	871,032	256,033	-29.27	0.25 U	7.25	Deleted
DP-377 (-21.94)	6/2/2005	871,023	256,038	-35.71	0.25 U	7.25	Deleted
DP-377 (-31.94)	6/2/2005	871,012	256,057	-41.59	0.25 U	7.25	Deleted
DP-377 (-41.94)	6/2/2005	870,962	256,067	-46.70	0.25 U	7.25	Deleted
DP-377 (-51.94)	6/3/2005	870,633	256,143	-54.93	0.25 U	7.25	Deleted
DP-377 (-57.94)	6/3/2005	870,621	256,151	-62.98	0.25 U	7.25	Deleted
J2MW-01M1	8/28/2012	871,475	259,227	-99.13	0.203 U	0.01	Deleted
J2MW-04 (-137.85)	6/2/2008	872,004	260,043	-138.98	0.27 J	4.25	Deleted
J2MW-04 (-147.85)	6/2/2008	872,005	260,043	-148.38	0.25 U	4.25	Deleted
J2MW-04M2	9/10/2009	872,144	260,427	-90.93	0.21 U	2.97	Deleted
J2MW-04M2	3/5/2010	872,112	260,336	-80.09	0.204 U	2.49	Deleted
J2MW-04M2	10/5/2010	872,080	260,247	-71.80	0.204 U	1.91	Deleted
J2MW-04M2	3/17/2011	872,058	260,188	-67.52	0.215 U	1.46	Deleted
J2MW-04M2	10/26/2011	872,027	260,114	-62.85	0.222 U	0.85	Deleted
J2MW-04M2	2/29/2012	872,010	260,076	-60.78	0.228 U	0.51	Deleted
J2MW-04M2	8/29/2012	871,985	260,022	-57.76	0.203 UJ	0.01	Deleted
J2MW-05M1	8/15/2012	870,415	258,376	-45.42	0.202 U	0.05	Deleted
MW-116S	11/15/2000	870,197	257,771	-15.33	0.25 U	11.79	Deleted
MW-116S	2/13/2001	870,184	257,757	-14.37	0.25 U	11.55	Deleted
MW-116S	6/4/2001	870,168	257,739	-13.10	0.25 U	11.24	Deleted
MW-116S	9/30/2003	870,048	257,612	-1.59	0.25 U	8.92	Deleted
MW-116S	9/22/2004	869,998	257,561	4.30	0.25 U	7.94	Deleted
MW-116S	10/19/2005	869,942	257,506	11.39	0.25 U	6.87	Deleted
MW-120 (64.22)	8/30/2000	869,487	258,546	-16.00	4 U	12.00	Deleted
MW-120 (54.22)	8/30/2000	869,479	258,536	-21.62	4 U	12.00	Deleted
MW-120 (44.22)	8/30/2000	869,471	258,524	-27.18	1 U	12.00	Deleted
MW-120 (34.22)	8/30/2000	869,463	258,512	-33.09	1 U	12.00	Deleted
MW-120 (24.22)	8/30/2000	869,454	258,499	-38.76	1 U	12.00	Deleted
MW-120 (14.22)	8/30/2000	869,445	258,484	-44.66	4 U	12.00	Deleted
MW-120 (4.22)	8/31/2000	869,435	258,469	-50.70	0.25 U	12.00	Deleted
MW-120 (-5.78)	8/31/2000	869,423	258,450	-56.78	0.25 U	12.00	Deleted
MW-120 (-15.78)	8/31/2000	869,408	258,427	-63.14	0.25 U	12.00	Deleted
MW-120 (-25.78)	8/31/2000	869,391	258,400	-69.25	0.25 U	12.00	Deleted
MW-120 (-35.78)	8/31/2000	869,371	258,370	-76.47	0.25 U	12.00	Deleted
MW-120 (-45.78)	9/1/2000	869,351	258,335	-83.22	0.25 U	12.00	Deleted
MW-120 (-55.78)	9/1/2000	869,328	258,292	-91.50	0.25 U	12.00	Deleted
MW-120 (-65.78)	9/5/2000	869,306	258,229	-101.07	0.25 U	11.99	Deleted
MW-120 (-75.78)	9/5/2000	869,052	257,873	-85.86	0.25 U	11.99	Deleted
MW-120 (-85.78)	9/5/2000	869,027	257,821	-90.99	4 U	11.99	Deleted
MW-120 (-95.78)	9/5/2000	869,025	257,820	-99.64	1 U	11.99	Deleted
MW-120 (-105.78)	9/5/2000	869,023	257,817	-108.09	0.25 U	11.99	Deleted
MW-120 (-115.78)	9/6/2000	869,021	257,812	-116.60	0.25 U	11.99	Deleted
MW-120 (-125.78)	9/6/2000	869,002	257,767	-126.13	0.25 U	11.99	Deleted
MW-120 (-135.78)	9/6/2000	868,978	257,729	-135.94	0.25 U	11.99	Deleted
MW-120 (-145.78)	9/6/2000	868,989	257,758	-145.98	0.25 U	11.99	Deleted
MW-120M1	10/20/2000	869,026	257,821	-95.33	0.25 U	11.86	Deleted
MW-120M1	2/15/2001	869,025	257,818	-95.17	0.25 U	11.54	Deleted
MW-120M1	6/5/2001	869,023	257,816	-95.02	0.25 U	11.24	Deleted
MW-120S	10/20/2000	869,482	258,536	-14.50	0.25 U	11.86	Deleted
MW-120S	2/15/2001	869,470	258,512	-12.95	0.25 U	11.54	Deleted
MW-120S	6/14/2001	869,457	258,489	-11.21	0.25 U	11.22	Deleted
MW-120S	8/23/2002	869,409	258,402	-5.02	0.25 U	10.02	Deleted
MW-120S	9/12/2003	869,367	258,327	0.59	0.25 U	8.97	Deleted
MW-120S	10/30/2004	869,321	258,247	6.96	0.25 U	7.84	Deleted
MW-120S	9/27/2005	869,285	258,185	11.96	0.25 U	6.93	Deleted
MW-121S	10/20/2000	869,877	257,347	-12.74	0.25 U	11.86	Deleted
MW-121S	2/15/2001	869,860	257,334	-10.41	0.25 U	11.54	Deleted
MW-121S	6/6/2001	869,844	257,321	-8.41	0.25 U	11.24	Deleted
MW-122S	10/20/2000	869,866	257,094	-12.29	0.25 U	11.86	Deleted
MW-122S	2/15/2001	869,849	257,083	-10.23	0.25 U	11.54	Deleted
MW-122S	6/15/2001	869,832	257,072	-7.96	0.25 U	11.21	Deleted
MW-128 (57.74)	9/26/2000	867,170	256,387	-2.01	0.25 U	11.93	Deleted
MW-128 (47.74)	9/26/2000	867,172	256,386	-5.48	0.25 U	11.93	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-128 (37.74)	9/26/2000	867,174	256,385	-8.98	0.25 U	11.93	Deleted
MW-128 (27.74)	9/26/2000	867,176	256,384	-12.50	0.25 U	11.93	Deleted
MW-128 (17.74)	9/27/2000	867,179	256,383	-16.05	0.25 U	11.93	Deleted
MW-128 (7.74)	9/27/2000	867,182	256,381	-19.64	0.25 U	11.93	Deleted
MW-128 (-2.26)	9/28/2000	867,186	256,379	-23.29	0.25 U	11.92	Deleted
MW-128 (-12.26)	9/28/2000	867,229	256,358	-27.27	0.25 U	11.92	Deleted
MW-128 (-32.26)	9/28/2000	867,344	256,300	-41.94	0.25 U	11.92	Deleted
MW-128 (-42.26)	9/28/2000	867,345	256,299	-50.34	0.25 U	11.92	Deleted
MW-128 (-52.26)	9/28/2000	867,347	256,298	-58.78	0.25 U	11.92	Deleted
MW-128 (-62.26)	9/28/2000	867,350	256,297	-67.30	0.25 U	11.92	Deleted
MW-128 (-72.26)	9/28/2000	867,351	256,296	-75.92	0.25 U	11.92	Deleted
MW-128 (-82.26)	9/28/2000	867,354	256,296	-84.64	0.25 U	11.92	Deleted
MW-128 (-92.26)	9/29/2000	867,355	256,296	-93.56	0.25 U	11.92	Deleted
MW-128 (-102.26)	9/29/2000	867,357	256,296	-102.89	0.25 U	11.92	Deleted
MW-128 (-112.26)	9/29/2000	867,367	256,290	-112.50	0.25 U	11.92	Deleted
MW-128M1	11/3/2000	867,184	256,382	-19.15	0.25 U	11.83	Deleted
MW-128M1	2/14/2001	867,189	256,379	-18.77	0.25 U	11.54	Deleted
MW-128M1	6/6/2001	867,196	256,375	-18.29	0.25 U	11.24	Deleted
MW-128M1	9/20/2002	867,221	256,359	-16.36	0.25 U	9.95	Deleted
MW-128M1	11/4/2003	867,242	256,346	-14.49	0.25 U	8.83	Deleted
MW-128M1	9/16/2004	867,257	256,337	-12.93	0.25 U	7.96	Deleted
MW-128M1	10/14/2005	867,276	256,326	-10.83	0.25 U	6.88	Deleted
MW-128M2	11/3/2000	867,174	256,383	-4.87	0.25 U	11.83	Deleted
MW-128M2	2/14/2001	867,180	256,379	-4.13	0.25 U	11.54	Deleted
MW-128M2	6/6/2001	867,186	256,376	-3.31	0.25 U	11.24	Deleted
MW-128M2	9/20/2002	867,213	256,359	0.42	0.25 U	9.95	Deleted
MW-128M2	11/4/2003	867,235	256,346	4.00	0.25 U	8.83	Deleted
MW-128M2	9/16/2004	867,251	256,336	7.01	0.25 U	7.96	Deleted
MW-128M2	10/14/2005	867,271	256,324	11.14	0.25 U	6.88	Deleted
MW-128S	11/6/2000	867,173	256,386	1.02	0.25 U	11.82	Deleted
MW-128S	2/14/2001	867,179	256,383	1.88	0.25 U	11.54	Deleted
MW-128S	6/7/2001	867,185	256,379	2.88	0.25 U	11.23	Deleted
MW-128S	9/20/2002	867,212	256,362	7.34	0.25 U	9.95	Deleted
MW-128S	9/11/2003	867,232	256,350	11.03	0.25 U	8.97	Deleted
MW-128S	9/16/2004	867,251	256,338	15.24	0.25 U	7.96	Deleted
MW-128S	11/17/2005	867,272	256,325	20.56	0.25 U	6.79	Deleted
MW-137S	11/16/2000	869,434	258,737	-14.38	0.25 U	11.79	Deleted
MW-137S	2/14/2001	869,426	258,717	-13.19	0.25 U	11.54	Deleted
MW-137S	6/6/2001	869,415	258,693	-11.53	0.25 U	11.24	Deleted
MW-154 (57.84)	2/9/2001	870,140	257,404	-20.41	0.25 U	11.56	Deleted
MW-154 (47.84)	2/9/2001	870,132	257,397	-26.28	0.25 U	11.56	Deleted
MW-154 (37.84)	2/9/2001	870,123	257,390	-32.22	0.25 U	11.56	Deleted
MW-154 (27.84)	2/9/2001	870,114	257,382	-38.27	0.25 U	11.56	Deleted
MW-154 (17.84)	2/9/2001	870,105	257,374	-44.44	0.25 U	11.56	Deleted
MW-154 (7.84)	2/12/2001	870,094	257,365	-50.56	0.25 U	11.55	Deleted
MW-154 (-2.16)	2/12/2001	870,081	257,354	-57.10	0.25 U	11.55	Deleted
MW-154 (-12.16)	2/12/2001	870,066	257,342	-63.58	0.25 U	11.55	Deleted
MW-154 (-22.16)	2/12/2001	870,048	257,328	-70.58	0.25 U	11.55	Deleted
MW-154 (-32.16)	2/12/2001	870,026	257,313	-77.56	0.25 U	11.55	Deleted
MW-154 (-42.16)	2/12/2001	869,997	257,299	-85.00	0.25 U	11.55	Deleted
MW-154 (-52.16)	2/12/2001	869,942	257,280	-91.84	0.25 U	11.55	Deleted
MW-154 (-72.16)	2/13/2001	869,588	256,999	-77.13	0.25 U	11.55	Deleted
MW-154 (-82.16)	2/13/2001	869,585	256,996	-86.09	0.25 U	11.55	Deleted
MW-154 (-92.16)	2/13/2001	869,581	256,993	-94.96	0.25 U	11.55	Deleted
MW-154 (-102.16)	2/13/2001	869,577	256,990	-103.74	0.25 U	11.55	Deleted
MW-154 (-122.16)	2/13/2001	869,541	256,974	-122.62	0.25 U	11.55	Deleted
MW-154 (-112.16)	2/13/2001	869,548	256,975	-113.14	0.25 U	11.55	Deleted
MW-154 (-132.16)	2/13/2001	869,537	256,972	-132.28	0.25 U	11.55	Deleted
MW-154 (-142.16)	2/13/2001	869,534	256,970	-141.90	0.25 U	11.55	Deleted
MW-154M1	4/27/2001	870,040	257,322	-70.06	0.25 U	11.35	Deleted
MW-154M1	7/24/2001	870,031	257,315	-69.18	0.25 U	11.11	Deleted
MW-154M1	10/30/2001	870,021	257,306	-68.37	0.25 U	10.84	Deleted
MW-154M1	2/23/2005	869,896	257,202	-52.59	0.25 U	7.52	Deleted
MW-154M1	9/10/2005	869,872	257,184	-48.16	0.25 U	6.97	Deleted
MW-154S	4/26/2001	870,134	257,400	-15.45	0.25 U	11.35	Deleted
MW-154S	7/25/2001	870,122	257,390	-14.16	0.25 U	11.10	Deleted
MW-154S	10/22/2001	870,110	257,380	-13.01	0.25 U	10.86	Deleted
MW-154S	6/18/2002	870,077	257,353	-9.53	0.25 U	10.21	Deleted
MW-154S	8/22/2002	870,068	257,346	-8.46	0.25 U	10.03	Deleted
MW-154S	1/8/2003	870,048	257,330	-6.33	0.25 U	9.65	Deleted
MW-154S	11/3/2003	870,006	257,296	-1.22	0.25 U	8.83	Deleted
MW-154S	12/24/2003	869,999	257,291	-0.30	0.25 U	8.69	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-154S	9/22/2004	869,960	257,260	4.68	0.25 U	7.94	Deleted
MW-154S	9/10/2005	869,909	257,222	11.52	0.25 U	6.97	Deleted
MW-158 (48.25)	3/12/2001	870,731	256,937	-16.14	0.25 U	11.47	Deleted
MW-158 (38.25)	3/12/2001	870,723	256,936	-20.34	0.25 U	11.47	Deleted
MW-158 (28.25)	3/12/2001	870,715	256,935	-24.88	0.25 U	11.47	Deleted
MW-158 (18.25)	3/12/2001	870,705	256,934	-29.40	0.25 U	11.47	Deleted
MW-158 (8.25)	3/12/2001	870,693	256,934	-33.45	0.25 U	11.47	Deleted
MW-158 (-1.75)	3/13/2001	870,678	256,933	-37.77	0.25 U	11.47	Deleted
MW-158 (-11.75)	3/13/2001	870,616	256,911	-41.40	0.25 U	11.47	Deleted
MW-158 (-21.75)	3/13/2001	870,547	256,885	-43.16	0.25 U	11.47	Deleted
MW-158 (-31.75)	3/13/2001	870,439	256,854	-49.55	0.25 U	11.47	Deleted
MW-158 (-41.75)	3/13/2001	870,604	256,888	-71.03	0.25 U	11.47	Deleted
MW-158 (-51.75)	3/13/2001	870,590	256,885	-78.31	0.25 U	11.47	Deleted
MW-158 (-61.75)	3/13/2001	870,555	256,883	-84.43	0.25 U	11.47	Deleted
MW-158 (-71.75)	3/13/2001	870,520	256,881	-90.38	0.25 U	11.47	Deleted
MW-158 (-81.75)	3/13/2001	870,487	256,877	-95.63	0.25 U	11.47	Deleted
MW-158 (-91.75)	3/13/2001	870,453	256,871	-101.78	0.25 U	11.47	Deleted
MW-158 (-101.75)	3/13/2001	870,421	256,863	-110.07	0.25 U	11.47	Deleted
MW-158 (-111.75)	3/13/2001	870,053	256,697	-114.88	0.25 U	11.47	Deleted
MW-158 (-121.75)	3/14/2001	870,056	256,686	-124.07	0.25 U	11.47	Deleted
MW-158 (-131.75)	3/14/2001	870,055	256,685	-133.17	0.25 U	11.47	Deleted
MW-158 (-141.75)	3/14/2001	870,053	256,685	-142.54	0.25 U	11.47	Deleted
MW-158M1	6/11/2001	870,519	256,881	-42.33	0.25 U	11.22	Deleted
MW-158M1	10/15/2001	870,512	256,882	-41.31	0.25 U	10.88	Deleted
MW-158M1	1/16/2002	870,506	256,883	-40.57	0.25 U	10.62	Deleted
MW-158M1	10/6/2003	870,383	256,842	-35.00	0.25 U	8.91	Deleted
MW-158M1	9/1/2004	870,366	256,843	-38.38	0.25 U	8.00	Deleted
MW-158M1	9/10/2005	870,344	256,844	-41.20	0.25 U	6.97	Deleted
MW-158M2	6/11/2001	870,699	256,931	-23.32	0.25 U	11.22	Deleted
MW-158M2	10/15/2001	870,676	256,925	-21.94	0.25 U	10.88	Deleted
MW-158M2	1/16/2002	870,659	256,920	-20.55	0.25 U	10.62	Deleted
MW-158M2	10/6/2003	870,545	256,887	-12.37	0.25 U	8.91	Deleted
MW-158M2	9/1/2004	870,485	256,869	-8.58	0.25 U	8.00	Deleted
MW-158M2	9/10/2005	870,420	256,847	-4.65	0.25 U	6.97	Deleted
MW-158S	6/12/2001	870,725	256,936	-7.37	0.25 U	11.22	Deleted
MW-158S	10/16/2001	870,701	256,930	-5.70	0.25 U	10.88	Deleted
MW-158S	1/16/2002	870,684	256,925	-4.16	0.25 U	10.62	Deleted
MW-158S	10/7/2003	870,566	256,890	5.54	0.25 U	8.90	Deleted
MW-158S	9/22/2004	870,501	256,870	10.79	0.25 U	7.94	Deleted
MW-158S	9/10/2005	870,437	256,849	16.08	0.25 U	6.97	Deleted
MW-170 (65.13)	5/14/2001	871,899	262,245	-18.43	0.25 U	11.30	Deleted
MW-170 (55.13)	5/15/2001	871,889	262,214	-24.39	0.25 U	11.30	Deleted
MW-170 (45.13)	5/15/2001	871,877	262,179	-30.79	0.25 U	11.30	Deleted
MW-170 (35.13)	5/15/2001	871,865	262,142	-37.23	0.25 U	11.30	Deleted
MW-170 (25.13)	5/15/2001	871,852	262,102	-43.80	0.25 U	11.30	Deleted
MW-170 (15.13)	5/15/2001	871,838	262,059	-50.46	0.25 U	11.30	Deleted
MW-170 (5.13)	5/15/2001	871,822	262,010	-57.33	0.25 U	11.30	Deleted
MW-170 (-4.87)	5/16/2001	871,802	261,948	-64.32	0.42	11.30	Deleted
MW-170 (-14.87)	5/16/2001	871,778	261,874	-71.52	0.25 U	11.30	Deleted
MW-170 (-24.87)	5/16/2001	871,671	261,570	-72.39	0.25 U	11.30	Deleted
MW-170 (-44.87)	5/16/2001	871,600	261,217	-81.69	0.25 U	11.30	Deleted
MW-170 (-54.87)	5/16/2001	871,693	261,593	-87.83	0.25 U	11.30	Deleted
MW-170 (-64.87)	5/16/2001	871,660	261,502	-95.52	0.25 U	11.30	Deleted
MW-170 (-74.87)	5/16/2001	871,628	261,412	-103.94	0.25 U	11.30	Deleted
MW-170 (-84.87)	5/16/2001	871,596	261,324	-113.10	0.25 U	11.30	Deleted
MW-170 (-94.87)	5/16/2001	871,563	261,239	-123.10	0.25 U	11.30	Deleted
MW-170 (-104.87)	5/17/2001	871,528	261,166	-133.53	0.25 U	11.29	Deleted
MW-170 (-114.87)	5/17/2001	871,410	261,001	-141.40	0.25 U	11.29	Deleted
MW-170 (-124.87)	5/17/2001	870,971	260,181	-128.68	0.25 U	11.29	Deleted
MW-170 (-134.87)	5/17/2001	870,902	260,119	-138.52	0.25 U	11.29	Deleted
MW-170 (-144.87)	5/18/2001	870,868	260,100	-146.87	0.25 U	11.29	Deleted
MW-170 (-154.87)	5/18/2001	870,839	260,068	-155.32	0.25 U	11.29	Deleted
MW-170 (-164.87)	5/18/2001	870,840	260,069	-164.87	0.25 U	11.29	Deleted
MW-170M1	6/21/2001	871,560	261,228	-123.07	0.25 U	11.20	Deleted
MW-170M1	10/25/2001	871,549	261,190	-122.85	0.25 U	10.85	Deleted
MW-170M1	1/18/2002	871,541	261,164	-122.67	0.25 U	10.62	Deleted
MW-170M1	3/25/2004	871,466	260,901	-117.87	0.25 U	8.44	Deleted
MW-170M1	1/20/2005	871,431	260,786	-116.56	0.25 U	7.61	Deleted
MW-170M1	10/7/2005	871,401	260,687	-116.26	0.25 U	6.90	Deleted
MW-170M1	1/19/2006	871,389	260,647	-115.97	5.2 U	6.62	Deleted
MW-170M1	9/9/2009	871,143	260,211	-108.12	0.213 U	2.98	Deleted
MW-170M1	9/14/2010	871,042	260,152	-105.25	0.213 U	1.96	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-170M1	10/11/2011	870,928	260,099	-100.30	0.22 U	0.89	Deleted
MW-170M1	8/28/2012	870,832	260,064	-94.94	0.203 U	0.01	Deleted
MW-170M3	6/21/2001	871,874	262,165	-29.02	0.25 U	11.20	Deleted
MW-170M3	10/25/2001	871,854	262,094	-27.32	0.25 U	10.85	Deleted
MW-170M3	1/18/2002	871,841	262,047	-26.18	0.25 U	10.62	Deleted
MW-170M3	10/2/2002	871,804	261,905	-22.64	0.25 U	9.92	Deleted
MW-170M3	11/3/2003	871,757	261,687	-17.10	0.25 U	8.83	Deleted
MW-170M3	10/4/2004	871,727	261,497	-12.47	0.25 U	7.91	Deleted
MW-170M3	10/12/2005	871,703	261,273	-7.81	0.25 U	6.89	Deleted
MW-170M3	6/19/2006	871,693	261,107	-4.62	0.25 U	6.20	Deleted
MW-170M3	4/10/2007	871,670	260,907	-0.75	0.25 U	5.40	Deleted
MW-170M3	5/2/2008	871,607	260,540	3.73	0.25 U	4.33	Deleted
MW-170M3	5/6/2009	871,476	260,346	11.21	0.25 U	3.32	Deleted
MW-170M3	5/11/2010	871,326	260,218	21.26	0.2 U	2.31	Deleted
MW-170M3	5/19/2011	871,136	260,113	32.69	0.2 U	1.29	Deleted
MW-18D (40.28)	8/29/1997	874,184	274,577	-62.41	10 U	15.01	Deleted
MW-18D (45.28)	9/2/1997	874,188	274,619	-59.47	0.25 U	15.00	Deleted
MW-18D (45.28)	9/2/1997	874,188	274,619	-59.47	0.25 U	15.00	Deleted
MW-18D (28.78)	9/3/1997	874,172	274,471	-68.88	0.25 U	14.99	Deleted
MW-18D (28.78)	9/3/1997	874,172	274,471	-68.88	0.25 U	14.99	Deleted
MW-18D (18.78)	9/3/1997	874,166	274,385	-74.03	0.25 U	14.99	Deleted
MW-18D (18.78)	9/3/1997	874,166	274,385	-74.03	0.25 U	14.99	Deleted
MW-18D (8.78)	9/3/1997	874,158	274,293	-79.24	0.25 U	14.99	Deleted
MW-18D (8.78)	9/3/1997	874,158	274,293	-79.24	0.25 U	14.99	Deleted
MW-18D (-1.22)	9/3/1997	874,150	274,191	-84.56	0.25 U	14.99	Deleted
MW-18D (-1.22)	9/3/1997	874,150	274,191	-84.56	0.25 U	14.99	Deleted
MW-18D (-11.22)	9/3/1997	874,146	274,082	-89.48	0.25 U	14.99	Deleted
MW-18D (-11.22)	9/3/1997	874,146	274,082	-89.48	0.25 U	14.99	Deleted
MW-18D (-21.22)	9/3/1997	874,142	273,971	-94.39	0.25 U	14.99	Deleted
MW-18D (-21.22)	9/3/1997	874,142	273,971	-94.39	0.25 U	14.99	Deleted
MW-18D (-31.22)	9/3/1997	874,138	273,856	-99.41	0.25 U	14.99	Deleted
MW-18D (-31.22)	9/3/1997	874,138	273,856	-99.41	0.25 U	14.99	Deleted
MW-18D (-41.22)	9/3/1997	874,136	273,725	-104.11	0.25 U	14.99	Deleted
MW-18D (-41.22)	9/3/1997	874,136	273,725	-104.11	0.25 U	14.99	Deleted
MW-18D (-51.22)	9/3/1997	874,134	273,543	-109.07	0.25 U	14.99	Deleted
MW-18D (-51.22)	9/3/1997	874,134	273,543	-109.07	0.25 U	14.99	Deleted
MW-18D (-61.22)	9/3/1997	874,135	273,310	-113.52	0.039 U	14.99	Deleted
MW-18D (-61.22)	9/3/1997	874,135	273,310	-113.52	0.039 U	14.99	Deleted
MW-18D (-71.22)	9/4/1997	874,136	273,068	-118.19	0.039 U	14.99	Deleted
MW-18D (-71.22)	9/4/1997	874,136	273,068	-118.19	0.039 U	14.99	Deleted
MW-18D (-81.22)	9/4/1997	874,134	272,803	-122.83	0.039 U	14.99	Deleted
MW-18D (-81.22)	9/4/1997	874,134	272,803	-122.83	0.039 U	14.99	Deleted
MW-18D (-91.22)	9/4/1997	874,128	272,545	-127.45	0.039 U	14.99	Deleted
MW-18D (-91.22)	9/4/1997	874,128	272,545	-127.45	0.039 U	14.99	Deleted
MW-18D (-101.22)	9/4/1997	874,119	272,294	-131.96	0.039 U	14.99	Deleted
MW-18D (-101.22)	9/4/1997	874,119	272,294	-131.96	0.039 U	14.99	Deleted
MW-18D (-111.22)	9/4/1997	874,107	272,064	-136.64	0.039 U	14.99	Deleted
MW-18D (-111.22)	9/4/1997	874,107	272,064	-136.64	0.039 U	14.99	Deleted
MW-18D (-121.22)	9/4/1997	874,092	271,862	-140.72	0.039 U	14.99	Deleted
MW-18D (-121.22)	9/4/1997	874,092	271,862	-140.72	0.039 U	14.99	Deleted
MW-18D (-131.22)	9/4/1997	874,071	271,623	-145.34	0.25 U	14.99	Deleted
MW-18D (-131.22)	9/4/1997	874,071	271,623	-145.34	0.25 U	14.99	Deleted
MW-18D (-141.22)	9/5/1997	874,049	271,381	-149.97	0.25 U	14.99	Deleted
MW-18D (-141.22)	9/5/1997	874,049	271,381	-149.97	0.25 U	14.99	Deleted
MW-18D (-151.22)	9/5/1997	874,020	270,984	-154.59	0.25 U	14.99	Deleted
MW-18D (-151.22)	9/5/1997	874,020	270,984	-154.59	0.25 U	14.99	Deleted
MW-18D (-161.22)	9/5/1997	873,489	267,737	-167.14	0.25 U	14.99	Deleted
MW-18D (-161.22)	9/5/1997	873,489	267,737	-167.14	0.25 U	14.99	Deleted
MW-18D (-171.22)	9/8/1997	873,257	266,705	-171.86	0.25 U	14.98	Deleted
MW-18D (-167.22)	10/22/1997	873,256	266,702	-168.00	0.25 U	14.86	Deleted
MW-18D	3/16/1999	873,249	266,671	-167.87	0.25 U	13.46	Deleted
MW-18D	9/10/1999	873,246	266,661	-167.86	0.25 U	12.98	Deleted
MW-18D	8/7/2000	873,241	266,641	-167.82	0.25 U	12.07	Deleted
MW-18D	7/26/2001	873,236	266,620	-167.80	0.25 U	11.10	Deleted
MW-18D	7/1/2002	873,231	266,600	-167.77	0.25 U	10.17	Deleted
MW-18D	9/30/2002	873,230	266,595	-167.75	0.25 U	9.92	Deleted
MW-18D	11/20/2002	873,229	266,592	-167.74	0.25 U	9.78	Deleted
MW-18D	5/8/2003	873,227	266,582	-167.73	0.25 UJ	9.32	Deleted
MW-18D	9/5/2003	873,225	266,574	-167.72	0.25 U	8.99	Deleted
MW-18D	1/5/2004	873,223	266,567	-167.71	0.25 U	8.66	Deleted
MW-18D	8/17/2004	873,220	266,554	-167.67	0.25 U	8.04	Deleted
MW-18D	9/23/2005	873,215	266,531	-167.55	0.25 U	6.94	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-18M1	1/22/1998	874,136	272,869	-118.00	0.25 U	14.61	Deleted
MW-18M1	3/12/1999	874,120	272,222	-116.92	0.25 U	13.47	Deleted
MW-18M1	9/9/1999	874,104	271,944	-116.42	0.25 U	12.98	Deleted
MW-18M1	8/7/2000	874,062	271,451	-115.29	0.25 U	12.07	Deleted
MW-18M1	12/18/2000	874,042	271,261	-114.47	0.25 U	11.70	Deleted
MW-18M1	7/26/2001	874,004	270,957	-113.46	0.38 J	11.10	Deleted
MW-18M1	12/10/2001	873,980	270,774	-112.90	0.52 J	10.73	Deleted
MW-18M1	5/1/2002	873,953	270,586	-112.43	0.45 J	10.34	Deleted
MW-18M1	9/30/2002	873,923	270,388	-111.44	0.36 J	9.92	Deleted
MW-18M1	11/20/2002	873,913	270,322	-111.02	0.34	9.78	Deleted
MW-18M1	5/8/2003	873,879	270,109	-110.26	0.37 J	9.32	Deleted
MW-18M1	10/9/2003	873,848	269,919	-109.72	0.25 U	8.90	Deleted
MW-18M1	1/5/2004	873,830	269,813	-109.07	0.25 U	8.66	Deleted
MW-18M1	6/28/2004	873,795	269,605	-108.27	0.25 U	8.18	Deleted
MW-18M1	8/17/2004	873,784	269,546	-107.96	0.25 U	8.04	Deleted
MW-18M1	2/10/2005	873,749	269,342	-107.15	0.25 U	7.56	Deleted
MW-18M1	5/27/2005	873,728	269,222	-106.34	0.25 U	7.27	Deleted
MW-18M1	9/23/2005	873,704	269,085	-106.21	0.25 U	6.94	Deleted
MW-18M1	2/2/2006	873,678	268,936	-105.25	0.25 U	6.58	Deleted
MW-18M2	1/22/1998	874,141	273,911	-87.05	0.25 U	14.61	Deleted
MW-18M2	3/16/1999	874,143	273,217	-84.72	0.25 U	13.46	Deleted
MW-18M2	9/9/1999	874,145	272,916	-83.36	0.25 U	12.98	Deleted
MW-18M2	8/4/2000	874,136	272,355	-80.36	0.25 U	12.08	Deleted
MW-18M2	12/18/2000	874,126	272,127	-79.09	0.25 U	11.70	Deleted
MW-18M2	7/26/2001	874,101	271,767	-76.57	0.25 U	11.10	Deleted
MW-18M2	12/10/2001	874,082	271,548	-75.06	0.25 U	10.73	Deleted
MW-18M2	5/1/2002	874,059	271,326	-73.39	0.25 U	10.34	Deleted
MW-18M2	9/30/2002	874,032	271,094	-71.47	0.25 U	9.92	Deleted
MW-18M2	11/20/2002	874,022	271,017	-70.91	0.25 U	9.78	Deleted
MW-18M2	5/8/2003	873,989	270,769	-68.76	0.25 U	9.32	Deleted
MW-18M2	10/9/2003	873,958	270,547	-66.75	0.25 U	8.90	Deleted
MW-18M2	1/5/2004	873,939	270,424	-65.65	0.25 U	8.66	Deleted
MW-18M2	6/28/2004	873,901	270,183	-63.37	0.25 U	8.18	Deleted
MW-18M2	8/17/2004	873,890	270,115	-62.78	0.25 U	8.04	Deleted
MW-18M2	2/10/2005	873,851	269,879	-60.45	0.25 U	7.56	Deleted
MW-18M2	5/27/2005	873,827	269,740	-59.08	0.25 U	7.27	Deleted
MW-18M2	9/23/2005	873,801	269,587	-57.41	0.25 U	6.94	Deleted
MW-18M2	2/2/2006	873,771	269,419	-55.70	0.25 U	6.58	Deleted
MW-18S	10/10/1997	874,195	274,697	-51.60	0.25 U	14.89	Deleted
MW-18S	3/12/1999	874,136	273,816	-51.44	0.25 U	13.47	Deleted
MW-18S	10/20/1999	874,139	273,428	-48.66	0.25 U	12.87	Deleted
MW-18S	8/7/2000	874,146	272,907	-43.93	0.25 U	12.07	Deleted
MW-18S	7/26/2001	874,135	272,274	-37.61	0.25 U	11.10	Deleted
MW-18S	10/10/2003	874,014	270,918	-21.03	0.25 U	8.89	Deleted
MW-18S	8/17/2004	873,946	270,440	-13.78	0.25 U	8.04	Deleted
MW-18S	9/23/2005	873,851	269,857	-4.66	0.25 U	6.94	Deleted
MW-215 (41.88)	5/6/2002	871,817	259,349	-39.39	0.25 U	10.32	Deleted
MW-215 (-18.12)	5/6/2002	871,707	259,010	-80.75	0.25 U	10.32	Deleted
MW-215 (-28.12)	5/6/2002	871,710	258,744	-61.59	0.25 U	10.32	Deleted
MW-215 (-48.12)	5/7/2002	871,643	258,681	-86.91	0.51 U	10.32	Deleted
MW-215 (-88.12)	5/8/2002	871,489	258,514	-100.64	0.25 U	10.32	Deleted
MW-215M1	7/30/2002	871,489	258,499	-91.27	0.54 J	10.09	Deleted
MW-215M1	10/28/2002	871,484	258,490	-90.79	0.54 J	9.84	Deleted
MW-215M1	3/3/2003	871,476	258,478	-90.25	0.38 J	9.50	Deleted
MW-215M1	7/6/2004	871,445	258,432	-87.15	0.25 U	8.15	Deleted
MW-215M1	9/9/2004	871,440	258,427	-86.80	0.25 U	7.98	Deleted
MW-215M1	2/8/2005	871,431	258,414	-85.95	0.25 U	7.56	Deleted
MW-215M1	6/16/2005	871,423	258,403	-85.02	0.25 U	7.21	Deleted
MW-215M1	8/25/2005	871,418	258,397	-84.79	0.25 U	7.02	Deleted
MW-215M1	12/14/2005	871,411	258,388	-84.20	0.25 U	6.71	Deleted
MW-215M1	3/28/2006	871,405	258,380	-83.64	0.25 U	6.43	Deleted
MW-215M1	4/10/2007	871,381	258,352	-81.61	0.25 U	5.40	Deleted
MW-215M1	4/29/2008	871,358	258,325	-79.64	0.25 U	4.34	Deleted
MW-215M1	9/11/2009	871,339	258,279	-76.95	0.24	2.97	Deleted
MW-215M1	9/29/2010	871,326	258,243	-75.33	0.204 U	1.92	Deleted
MW-215M1	10/13/2011	871,314	258,210	-74.03	0.213 U	0.89	Deleted
MW-215M1	8/15/2012	871,303	258,184	-73.15	0.204 U	0.05	Deleted
MW-228 (52.22)	6/28/2002	870,246	258,043	-12.51	0.25 U	10.18	Deleted
MW-228 (22.22)	7/8/2002	870,208	257,996	-32.44	0.25 U	10.15	Deleted
MW-228 (12.22)	7/8/2002	870,195	257,980	-39.23	0.25 U	10.15	Deleted
MW-228 (2.22)	7/8/2002	870,181	257,963	-46.41	0.25 U	10.15	Deleted
MW-228 (-7.78)	7/8/2002	870,165	257,944	-53.48	0.25 U	10.15	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-228 (-17.78)	7/8/2002	870,145	257,920	-60.78	0.25 U	10.15	Deleted
MW-228 (-27.78)	7/8/2002	870,121	257,893	-68.35	0.25 U	10.15	Deleted
MW-228 (-37.78)	7/9/2002	870,093	257,862	-76.31	0.25 U	10.15	Deleted
MW-228 (-57.78)	7/9/2002	870,003	257,775	-94.24	0.25 U	10.15	Deleted
MW-228 (-67.78)	7/9/2002	869,734	257,473	-76.51	0.25 U	10.15	Deleted
MW-228 (-137.78)	7/10/2002	869,674	257,422	-137.77	0.25 U	10.15	Deleted
MW-228 (-77.78)	7/10/2002	869,731	257,470	-83.65	0.25 U	10.15	Deleted
MW-228 (-87.78)	7/10/2002	869,727	257,468	-91.19	0.25 U	10.15	Deleted
MW-228 (-97.78)	7/10/2002	869,723	257,464	-99.12	0.25 U	10.15	Deleted
MW-228 (-107.78)	7/10/2002	869,717	257,459	-107.25	0.25 U	10.15	Deleted
MW-228 (-117.78)	7/10/2002	869,688	257,433	-117.21	0.25 U	10.15	Deleted
MW-228 (-127.78)	7/10/2002	869,676	257,424	-127.96	0.25 U	10.15	Deleted
MW-228M1	8/30/2002	869,730	257,470	-80.61	0.25 U	10.01	Deleted
MW-228M1	2/10/2003	869,726	257,467	-80.24	0.25 U	9.56	Deleted
MW-228M1	6/18/2003	869,723	257,464	-79.95	0.25 U	9.21	Deleted
MW-228M1	10/19/2004	869,713	257,455	-78.80	0.25 U	7.87	Deleted
MW-228M1	9/10/2005	869,705	257,448	-78.98	0.25 U	6.97	Deleted
MW-228M2	6/19/2003	870,177	257,956	-16.52	0.25 U	9.20	Deleted
MW-228M2	5/18/2004	870,126	257,894	-12.88	0.29	8.29	Deleted
MW-228M2	7/6/2004	870,119	257,886	-12.32	0.37 J	8.15	Deleted
MW-228M2	10/19/2004	870,103	257,867	-10.96	0.33	7.87	Deleted
MW-228M2	9/10/2005	870,055	257,811	-6.79	0.53	6.97	Deleted
MW-228M2	1/30/2006	870,034	257,788	-4.82	0.25 U	6.59	Deleted
MW-228M2	10/11/2006	869,998	257,747	-1.11	0.25 U	5.89	Deleted
MW-228M2	4/11/2007	869,972	257,719	1.72	0.25 U	5.39	Deleted
MW-228M2	5/1/2008	869,919	257,664	8.28	0.25 U	4.34	Deleted
MW-228M2	9/15/2009	869,836	257,579	18.40	0.206 U	2.96	Deleted
MW-228S	9/5/2002	870,244	258,042	-4.89	0.25 U	9.99	Deleted
MW-228S	2/10/2003	870,217	258,007	-3.31	0.33 J	9.56	Deleted
MW-228S	7/6/2004	870,134	257,903	3.10	0.33	8.15	Deleted
MW-228S	10/19/2004	870,117	257,884	4.67	0.28	7.87	Deleted
MW-228S	5/16/2005	870,084	257,845	7.81	0 R	7.30	Deleted
MW-228S	5/16/2005	870,084	257,845	7.81	0 R	7.30	Deleted
MW-228S	1/30/2006	870,045	257,800	12.04	0 R	6.59	Deleted
MW-228S	1/30/2006	870,045	257,800	12.04	0 R	6.59	Deleted
MW-228S	2/26/2009	869,875	257,620	33.51	0.213 U	3.51	Deleted
MW-228S	9/15/2009	869,840	257,584	38.00	0.21 U	2.96	Deleted
MW-228S	3/5/2010	869,811	257,553	41.94	0.206 U	2.49	Deleted
MW-228S	9/15/2010	869,777	257,520	46.42	0.22 U	1.96	Deleted
MW-228S	3/17/2011	869,744	257,488	50.62	0.217 U	1.46	Deleted
MW-228S	10/18/2011	869,707	257,452	55.56	0.213 U	0.87	Deleted
MW-228S	2/27/2012	869,683	257,430	58.72	0.204 U	0.51	Deleted
MW-228S	8/7/2012	869,655	257,404	62.58	0.206 UJ	0.07	Deleted
MW-254 (50.83)	12/19/2002	874,627	271,695	-35.04	0.25 U	9.70	Deleted
MW-254 (40.83)	12/19/2002	874,619	271,627	-41.60	0.25 U	9.70	Deleted
MW-254 (30.83)	12/19/2002	874,613	271,566	-48.23	1.8 U	9.70	Deleted
MW-254 (20.83)	12/19/2002	874,606	271,507	-54.90	0.33 U	9.70	Deleted
MW-254 (10.83)	12/19/2002	874,599	271,446	-61.31	0.4 U	9.70	Deleted
MW-254 (0.83)	12/19/2002	874,590	271,378	-68.03	0.81 U	9.70	Deleted
MW-254 (-9.17)	1/6/2003	874,578	271,274	-74.47	0.44 U	9.65	Deleted
MW-254 (-19.17)	1/6/2003	874,569	271,201	-81.06	0.25 U	9.65	Deleted
MW-254 (-29.17)	1/6/2003	874,558	271,125	-87.63	0.25 U	9.65	Deleted
MW-254 (-39.17)	1/6/2003	874,547	271,045	-94.12	0.25 U	9.65	Deleted
MW-254 (-49.17)	1/6/2003	874,533	270,947	-100.17	0.25 U	9.65	Deleted
MW-254 (-59.17)	1/6/2003	874,514	270,818	-106.51	0.25 U	9.65	Deleted
MW-254 (-69.17)	1/6/2003	874,491	270,667	-112.36	0.25 U	9.65	Deleted
MW-254 (-79.17)	1/6/2003	874,468	270,515	-118.41	0.25 U	9.65	Deleted
MW-254 (-89.17)	1/6/2003	874,443	270,360	-123.97	0.25 U	9.65	Deleted
MW-254 (-99.17)	1/6/2003	874,420	270,226	-129.64	0.72 U	9.65	Deleted
MW-254 (-109.17)	1/7/2003	874,396	270,085	-135.00	1.2 J	9.65	Deleted
MW-254 (-119.17)	1/7/2003	874,372	269,949	-140.93	2.2 U	9.65	Deleted
MW-254 (-129.17)	1/7/2003	874,352	269,843	-145.99	0.53 J	9.65	Deleted
MW-254 (-139.17)	1/7/2003	874,327	269,708	-151.19	0.88 J	9.65	Deleted
MW-254 (-149.17)	1/8/2003	874,308	269,535	-156.89	0.25 U	9.65	Deleted
MW-254M1	3/4/2003	874,377	269,976	-138.13	0.25 U*	9.50	Deleted
MW-254M1	3/4/2003	874,377	269,976	-138.13	0.25 U*	9.50	Deleted
MW-254M1	7/2/2003	874,353	269,842	-137.56	0.25 U	9.17	Deleted
MW-254M1	12/11/2003	874,322	269,663	-137.73	0.25 U	8.72	Deleted
MW-254M1	3/29/2004	874,300	269,546	-137.23	0.25 U	8.43	Deleted
MW-254M2	3/3/2003	874,469	270,519	-115.27	0.25 U*	9.50	Deleted
MW-254M2	3/3/2003	874,469	270,519	-115.27	0.25 U*	9.50	Deleted
MW-254M2	7/1/2003	874,446	270,369	-114.61	0.25 U	9.17	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-254M2	12/11/2003	874,413	270,166	-113.81	0.25 U	8.72	Deleted
MW-254M2	3/29/2004	874,390	270,032	-113.19	0.25 U	8.43	Deleted
MW-254M2	7/1/2004	874,371	269,918	-113.03	0.25 U	8.17	Deleted
MW-254M2	9/21/2004	874,353	269,820	-112.35	0.25 U	7.94	Deleted
MW-254M2	2/11/2005	874,323	269,651	-111.90	0.25 U	7.55	Deleted
MW-254M2	5/23/2005	874,301	269,534	-111.14	0.25 U	7.28	Deleted
MW-254M2	12/5/2005	874,258	269,310	-110.22	0.25 U	6.74	Deleted
MW-254M2	2/2/2006	874,245	269,244	-109.85	0.25 U	6.58	Deleted
MW-307 (61.86)	1/28/2004	869,675	258,102	-0.86	1.4 U	8.59	Deleted
MW-307 (31.86)	1/29/2004	869,656	258,082	-20.68	0.25 U	8.59	Deleted
MW-307 (21.86)	1/29/2004	869,649	258,074	-27.51	0.25 U	8.59	Deleted
MW-307 (11.86)	1/30/2004	869,641	258,065	-34.30	0.25 U	8.59	Deleted
MW-307 (1.86)	1/30/2004	869,632	258,055	-41.18	0.25 U	8.59	Deleted
MW-307 (-8.14)	1/30/2004	869,623	258,044	-48.11	0.25 U	8.59	Deleted
MW-307 (-18.14)	2/2/2004	869,612	258,032	-55.34	0.27	8.58	Deleted
MW-307 (-28.14)	2/2/2004	869,600	258,018	-62.52	0.25 U	8.58	Deleted
MW-307 (-38.14)	2/3/2004	869,587	258,002	-70.43	0.25 U	8.58	Deleted
MW-307 (-58.14)	2/4/2004	869,542	257,945	-87.68	0.25 U	8.57	Deleted
MW-307 (-68.14)	2/4/2004	869,460	257,861	-89.50	0.25 U	8.57	Deleted
MW-307 (-78.14)	2/4/2004	869,270	257,619	-80.93	0.25 U	8.57	Deleted
MW-307 (-88.14)	2/4/2004	869,272	257,618	-90.49	0.25 U	8.57	Deleted
MW-307 (-98.14)	2/4/2004	869,271	257,616	-99.73	0.25 U	8.57	Deleted
MW-307 (-108.14)	2/5/2004	869,268	257,612	-108.87	0.25 U	8.57	Deleted
MW-307 (-118.14)	2/5/2004	869,251	257,590	-118.75	0.25 U	8.57	Deleted
MW-307 (-128.14)	2/5/2004	869,250	257,588	-128.53	0.25 U	8.57	Deleted
MW-307 (-138.14)	2/5/2004	869,237	257,587	-137.94	0.25 U	8.57	Deleted
MW-307 (-148.14)	2/5/2004	869,229	257,562	-148.15	0.25 U	8.57	Deleted
MW-307 (-158.14)	2/5/2004	869,247	257,581	-157.64	0.25 U	8.57	Deleted
MW-307M1	4/27/2004	869,249	257,588	-128.51	0.25 U	8.35	Deleted
MW-307M1	10/25/2004	869,248	257,586	-128.18	0.25 U	7.85	Deleted
MW-307M1	2/22/2005	869,247	257,585	-128.15	0.25 U	7.52	Deleted
MW-307M2	6/1/2004	869,508	257,907	-91.20	0.25 U	8.25	Deleted
MW-307M2	10/25/2004	869,500	257,894	-90.64	0.25 U	7.85	Deleted
MW-307M2	2/22/2005	869,495	257,886	-88.67	0.25 U	7.52	Deleted
MW-307M2	10/19/2005	869,486	257,873	-83.89	0.25 U	6.87	Deleted
MW-307M2	1/30/2006	869,481	257,866	-81.54	0.25 U	6.59	Deleted
MW-307M3 (51.86)	4/27/2004	869,657	258,081	-6.05	0.53	8.35	Deleted
MW-307M3 (42.05)	10/25/2004	869,628	258,044	-9.90	0.25 U	7.85	Deleted
MW-307M3 (42.05)	2/22/2005	869,613	258,024	-8.13	0.26 J	7.52	Deleted
MW-307M3 (51.86)	10/19/2005	869,586	257,987	2.56	0.27 J	6.87	Deleted
MW-307M3 (51.86)	1/30/2006	869,572	257,970	4.52	0.25 U	6.59	Deleted
MW-307M3 (41.86)	3/27/2006	869,562	257,956	-1.69	0.25 U	6.43	Deleted
MW-307M3 (51.86)	9/28/2006	869,541	257,929	8.78	0.25 U	5.93	Deleted
MW-307M3	4/14/2008	869,469	257,835	11.68	0.53	4.38	Deleted
MW-307M3	11/4/2008	869,439	257,800	15.55	0.25 U	3.82	Deleted
MW-307M3	2/25/2009	869,421	257,780	17.75	0.213 U	3.51	Deleted
MW-307M3	9/22/2009	869,388	257,743	21.52	0.206 U	2.94	Deleted
MW-307M3	3/5/2010	869,362	257,714	24.41	0.21 U	2.49	Deleted
MW-307M3	9/14/2010	869,333	257,681	27.92	0.208 U	1.96	Deleted
MW-307M3	3/17/2011	869,305	257,649	31.51	0.208 UJ	1.46	Deleted
MW-307M3	10/4/2011	869,275	257,616	35.36	0.238 U	0.91	Deleted
MW-307M3	2/27/2012	869,254	257,591	38.23	0.208 U	0.51	Deleted
MW-307M3	8/7/2012	869,230	257,565	41.59	0.205 U	0.07	Deleted
MW-310 (62.60)	2/3/2004	871,728	258,428	0.62	80 U	8.58	Deleted
MW-310 (52.60)	2/3/2004	871,725	258,419	-5.16	2.8 U	8.58	Deleted
MW-310 (42.60)	2/3/2004	871,722	258,409	-11.02	2.5 U	8.58	Deleted
MW-310 (22.60)	2/3/2004	871,716	258,384	-23.09	0.25 U	8.58	Deleted
MW-310 (12.60)	2/4/2004	871,711	258,370	-29.02	0.25 U	8.57	Deleted
MW-310 (2.60)	2/4/2004	871,706	258,355	-35.01	0.25 U	8.57	Deleted
MW-310 (-7.40)	2/4/2004	871,700	258,339	-40.91	0.25 U	8.57	Deleted
MW-310 (-17.40)	2/4/2004	871,694	258,324	-46.82	2.2 J	8.57	Deleted
MW-310 (-37.40)	2/4/2004	871,676	258,269	-59.04	3.1 U	8.57	Deleted
MW-310 (-47.40)	2/4/2004	871,431	257,910	-57.79	0.25 U	8.57	Deleted
MW-310 (-57.40)	2/5/2004	871,336	257,895	-64.33	0.25 U	8.57	Deleted
MW-310 (-67.40)	2/5/2004	871,634	258,216	-86.91	0.25 U	8.57	Deleted
MW-310 (-77.40)	2/5/2004	871,620	258,200	-92.79	0.25 U	8.57	Deleted
MW-310 (-87.40)	2/5/2004	871,598	258,158	-97.65	0.25 U	8.57	Deleted
MW-310 (-97.40)	2/5/2004	871,583	258,128	-103.08	0.25 U	8.57	Deleted
MW-310 (-117.40)	2/10/2004	871,265	257,768	-119.99	11 U	8.56	Deleted
MW-310 (-137.40)	2/10/2004	871,258	257,771	-138.53	0.25 U	8.56	Deleted
MW-310 (-147.40)	2/10/2004	871,256	257,769	-148.31	0.25 U	8.56	Deleted
MW-310 (-157.40)	2/10/2004	871,255	257,769	-158.00	0.25 U	8.56	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-310M1	4/23/2004	871,678	258,299	-49.62	0.4	8.36	Deleted
MW-310M1	8/23/2004	871,656	258,276	-48.43	0.25 U	8.02	Deleted
MW-310M1	12/20/2004	871,636	258,254	-47.03	0.27	7.70	Deleted
MW-310M1	6/16/2005	871,604	258,223	-45.12	0.33 J	7.21	Deleted
MW-310M1	11/7/2005	871,578	258,197	-43.98	0.27 J	6.82	Deleted
MW-310M1	4/3/2006	871,552	258,172	-42.76	0.25 U	6.41	Deleted
MW-310M1	9/28/2006	871,520	258,142	-41.43	0.25 U	5.93	Deleted
MW-310M1	4/10/2007	871,484	258,113	-39.89	0.25 U	5.40	Deleted
MW-310M1	9/25/2007	871,453	258,090	-38.12	0.25 U	4.94	Deleted
MW-310M1	4/11/2008	871,415	258,063	-35.59	0.25 U	4.39	Deleted
MW-310M1	10/31/2008	871,384	258,026	-34.09	0.25 U	3.83	Deleted
MW-310M1	2/24/2009	871,371	258,000	-33.57	0.213 U	3.52	Deleted
MW-310M1	9/14/2009	871,349	257,957	-32.16	0.235 U	2.96	Deleted
MW-310M1	9/14/2010	871,307	257,883	-29.54	0.206 U	1.96	Deleted
MW-310M1	10/4/2011	871,260	257,808	-25.28	0.217 U	0.91	Deleted
MW-310M1	8/15/2012	871,220	257,750	-23.90	0.204 U	0.05	Deleted
MW-319 (60.62)	2/25/2004	871,652	257,047	-0.17	1.4 U	8.52	Deleted
MW-319 (50.62)	2/25/2004	871,645	257,045	-6.86	0.25 U	8.52	Deleted
MW-319 (40.62)	2/26/2004	871,637	257,043	-13.61	0.25 U	8.51	Deleted
MW-319 (30.62)	2/26/2004	871,627	257,041	-20.41	0.25 U	8.51	Deleted
MW-319 (20.62)	2/26/2004	871,617	257,038	-27.39	0.25 U	8.51	Deleted
MW-319 (10.62)	2/26/2004	871,605	257,035	-34.59	0.25 U	8.51	Deleted
MW-319 (0.62)	2/26/2004	871,592	257,032	-41.91	0.25 U	8.51	Deleted
MW-319 (-9.38)	2/26/2004	871,578	257,029	-49.61	0.25 U	8.51	Deleted
MW-319 (-19.38)	2/27/2004	871,562	257,026	-56.86	0.56	8.51	Deleted
MW-319 (-29.38)	2/27/2004	871,543	257,015	-63.08	0.25 U	8.51	Deleted
MW-319 (-39.38)	3/1/2004	871,331	256,959	-64.24	0.25 U	8.50	Deleted
MW-319 (-49.38)	3/1/2004	871,431	256,964	-71.40	0.25 U	8.50	Deleted
MW-319 (-59.38)	3/2/2004	871,467	256,968	-77.95	0.25 U	8.50	Deleted
MW-319 (-69.38)	3/2/2004	871,442	256,964	-84.98	0.25 U	8.50	Deleted
MW-319 (-79.38)	3/2/2004	871,417	256,959	-92.00	0.25 U	8.50	Deleted
MW-319 (-89.38)	3/2/2004	871,397	256,955	-99.26	0.25 U	8.50	Deleted
MW-319 (-99.38)	3/3/2004	871,377	256,951	-106.38	0.25 U	8.50	Deleted
MW-319 (-119.38)	3/3/2004	871,053	256,891	-120.78	0.25 U	8.50	Deleted
MW-319 (-129.38)	3/4/2004	871,053	256,890	-130.53	0.25 U	8.49	Deleted
MW-319 (-139.38)	3/4/2004	871,051	256,891	-140.30	0.25 U	8.49	Deleted
MW-319 (-149.38)	3/5/2004	871,049	256,891	-150.09	0.25 U	8.49	Deleted
MW-319 (-159.38)	3/8/2004	871,049	256,891	-159.86	0.25 U	8.48	Deleted
MW-319M1	5/24/2004	871,361	256,957	-67.77	0.25 U	8.27	Deleted
MW-319M1	9/14/2004	871,345	256,955	-67.27	0.25 U	7.96	Deleted
MW-319M1	1/19/2005	871,324	256,953	-66.64	0.25 U	7.62	Deleted
MW-319M1	3/30/2006	871,251	256,944	-64.41	0.25 U	6.42	Deleted
MW-319M1	10/5/2006	871,223	256,939	-63.18	0.25 U	5.91	Deleted
MW-319M1	4/11/2007	871,199	256,935	-62.11	0.25 U	5.39	Deleted
MW-319M1	9/25/2007	871,176	256,930	-60.91	0.25 U	4.94	Deleted
MW-319M1	4/11/2008	871,146	256,925	-59.29	0.25 U	4.39	Deleted
MW-319M1	11/3/2008	871,118	256,919	-57.74	0.25 U	3.83	Deleted
MW-319M1	9/14/2009	871,076	256,907	-55.38	0.21 U	2.96	Deleted
MW-319M1	9/29/2010	871,049	256,900	-51.67	0.152 J	1.92	Deleted
MW-319M1	10/4/2011	871,032	256,895	-48.38	0.244	0.91	Deleted
MW-319M1	8/14/2012	871,017	256,889	-44.88	0.294	0.05	Deleted
MW-319M2	5/11/2004	871,563	257,027	-49.00	0.25 U	8.31	Deleted
MW-319M2	9/14/2004	871,538	257,023	-48.15	0.25 U	7.96	Deleted
MW-319M2	1/19/2005	871,513	257,020	-47.24	0.25 U	7.62	Deleted
MW-319M2	3/30/2006	871,429	257,006	-43.24	0.25 U	6.42	Deleted
MW-319M2	4/11/2007	871,355	256,996	-39.15	0.25 U	5.39	Deleted
MW-319M2	4/11/2008	871,283	256,989	-33.78	0.25 U	4.39	Deleted
MW-319M2	9/14/2009	871,196	256,961	-26.31	0.206 U	2.96	Deleted
MW-319M2	9/29/2010	871,134	256,936	-20.30	0.21 U	1.92	Deleted
MW-319M2	10/4/2011	871,073	256,911	-14.82	0.247 U	0.91	Deleted
MW-319M2	8/14/2012	871,019	256,891	-9.88	0.204 U	0.05	Deleted
MW-319S	5/11/2004	871,636	257,045	2.19	0.25 U	8.31	Deleted
MW-319S	9/14/2004	871,607	257,041	4.19	0.25 U	7.96	Deleted
MW-319S	1/19/2005	871,578	257,036	6.08	0.25 U	7.62	Deleted
MW-321 (-66.62)	3/18/2004	870,319	258,297	-71.17	0.25 U	8.46	Deleted
MW-321 (-76.62)	3/19/2004	870,276	258,252	-81.03	0.25 U	8.45	Deleted
MW-321 (-86.62)	3/22/2004	870,244	258,216	-89.97	0.25 U	8.45	Deleted
MW-321 (-96.62)	3/22/2004	870,211	258,181	-98.26	0.25 U	8.45	Deleted
MW-321 (-106.62)	3/22/2004	870,184	258,152	-109.01	0.25 U	8.45	Deleted
MW-321 (-116.62)	3/22/2004	869,904	257,831	-117.24	0.25 U	8.45	Deleted
MW-321 (-126.62)	3/22/2004	869,901	257,827	-126.87	0.25 U	8.45	Deleted
MW-321 (-136.62)	3/22/2004	869,899	257,825	-136.62	0.25 U	8.45	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-321M1	4/12/2007	870,287	258,247	-21.76	0.25 U	5.39	Deleted
MW-321M1	5/2/2008	870,196	258,150	-23.36	0.25 U	4.33	Deleted
MW-321M1	9/17/2009	870,081	258,025	-20.26	0.202 U	2.96	Deleted
MW-321M1	9/16/2010	870,008	257,943	-16.37	0.206 U	1.96	Deleted
MW-321M1	10/20/2011	869,933	257,861	-10.92	0.222 UJ	0.87	Deleted
MW-321M1	8/7/2012	869,881	257,805	-6.64	0.202 UJ	0.07	Deleted
MW-321M2	10/20/2011	869,935	257,864	7.20	0.223 J	0.87	Deleted
MW-321M2	8/7/2012	869,881	257,805	12.20	0.246	0.07	Deleted
MW-324 (44.08)	3/25/2004	872,298	259,993	-24.51	1.1 U	8.44	Deleted
MW-324 (34.08)	3/25/2004	872,288	259,975	-32.44	0.25 U	8.44	Deleted
MW-324 (24.08)	3/26/2004	872,276	259,955	-40.21	0.25 U	8.43	Deleted
MW-324 (14.08)	3/29/2004	872,261	259,931	-48.10	0.25 U	8.43	Deleted
MW-324 (4.08)	3/29/2004	872,243	259,902	-56.58	0.25 U	8.43	Deleted
MW-324 (-5.92)	3/29/2004	872,220	259,864	-65.19	0.25 U	8.43	Deleted
MW-324 (-15.92)	3/30/2004	872,190	259,818	-74.02	0.25 U	8.42	Deleted
MW-324 (-25.92)	3/30/2004	872,129	259,740	-86.59	0.85	8.42	Deleted
MW-324 (-135.92)	4/5/2004	871,730	259,031	-134.55	0.25 U	8.41	Deleted
MW-324 (-155.92)	4/5/2004	871,745	259,013	-155.44	0.25 U	8.41	Deleted
MW-324 (-165.92)	4/5/2004	871,748	259,012	-165.70	0.25 U	8.41	Deleted
MW-324 (-174.92)	4/5/2004	871,748	259,012	-174.96	0.25 U	8.41	Deleted
MW-334 (52.49)	5/24/2004	873,850	260,995	-7.46	0.25 U	8.27	Deleted
MW-334 (42.49)	5/24/2004	873,840	260,976	-14.55	0.25 U	8.27	Deleted
MW-334 (32.49)	5/24/2004	873,829	260,954	-21.76	0.25 U	8.27	Deleted
MW-334 (22.49)	5/24/2004	873,817	260,930	-29.05	0.25 U	8.27	Deleted
MW-334 (12.49)	5/24/2004	873,803	260,904	-36.27	0.25 U	8.27	Deleted
MW-334 (2.49)	5/24/2004	873,789	260,875	-43.63	0.25 U	8.27	Deleted
MW-334 (-7.51)	5/25/2004	873,773	260,844	-50.97	0.25 U	8.27	Deleted
MW-334 (-17.51)	5/25/2004	873,754	260,809	-58.41	0.25 U	8.27	Deleted
MW-334 (-27.51)	5/25/2004	873,730	260,765	-65.91	0.25 U	8.27	Deleted
MW-334 (-37.51)	5/25/2004	873,703	260,716	-73.49	0.25 U	8.27	Deleted
MW-334 (-47.51)	5/25/2004	873,672	260,661	-81.37	0.25 U	8.27	Deleted
MW-334 (-57.51)	5/25/2004	873,638	260,601	-89.18	0.25 U	8.27	Deleted
MW-334 (-67.51)	5/25/2004	873,606	260,545	-97.02	0.25 U	8.27	Deleted
MW-334 (-77.51)	5/25/2004	873,574	260,492	-104.85	0.25 U	8.27	Deleted
MW-334 (-87.51)	5/25/2004	873,546	260,445	-112.53	0.25 U	8.27	Deleted
MW-334 (-97.51)	5/25/2004	873,518	260,400	-120.11	0.25 U	8.27	Deleted
MW-334 (-107.51)	5/26/2004	873,497	260,367	-127.91	0.25 U	8.27	Deleted
MW-334 (-117.51)	5/26/2004	873,475	260,330	-135.57	0.25 U	8.27	Deleted
MW-334 (-127.51)	5/26/2004	873,453	260,259	-143.34	0.25 U	8.27	Deleted
MW-334 (-137.51)	5/26/2004	873,055	259,720	-138.94	0.25 U	8.27	Deleted
MW-334 (-147.51)	5/26/2004	873,052	259,716	-148.61	0.25 U	8.27	Deleted
MW-334M1	7/12/2004	873,468	260,320	-135.48	0.25 U	8.14	Deleted
MW-334M1	11/23/2004	873,450	260,288	-135.01	0.25 U	7.77	Deleted
MW-334M1	4/4/2005	873,431	260,258	-134.73	0.25 U	7.41	Deleted
MW-334M1	4/4/2006	873,377	260,177	-133.50	0.25 U	6.41	Deleted
MW-334M1	4/6/2007	873,321	260,100	-131.09	0.25 U	5.41	Deleted
MW-334M1	4/21/2008	873,258	260,011	-126.40	0.25 U	4.36	Deleted
MW-334M1	9/3/2009	873,177	259,896	-124.08	0.21 U	2.99	Deleted
MW-334M1	9/30/2010	873,117	259,811	-121.83	0.21 U	1.92	Deleted
MW-334M1	10/12/2011	873,060	259,730	-119.47	0.23 U	0.89	Deleted
MW-334M1	8/16/2012	873,015	259,666	-117.55	0.202 U	0.04	Deleted
MW-334M2	7/12/2004	873,778	260,854	-43.10	0.25 U	8.14	Deleted
MW-334M2	11/23/2004	873,749	260,798	-41.59	0.25 U	7.77	Deleted
MW-334M2	4/4/2005	873,720	260,742	-40.08	0.25 U	7.41	Deleted
MW-334M2	4/4/2006	873,637	260,587	-35.72	0.25 U	6.41	Deleted
MW-334M2	4/6/2007	873,546	260,432	-30.98	0.25 U	5.41	Deleted
MW-334M2	4/21/2008	873,441	260,274	-25.72	0.25 U	4.36	Deleted
MW-335 (57.52)	6/8/2004	872,103	260,862	-43.56	7.4 U	8.23	Deleted
MW-335 (47.52)	6/8/2004	872,104	260,837	-54.64	1.6 U	8.23	Deleted
MW-335 (37.52)	6/8/2004	872,102	260,812	-64.32	2.2 U	8.23	Deleted
MW-335 (27.52)	6/8/2004	872,097	260,786	-72.00	0.25 U	8.23	Deleted
MW-335 (17.52)	6/8/2004	872,087	260,762	-77.55	0.25 U	8.23	Deleted
MW-335 (7.52)	6/8/2004	872,068	260,738	-81.50	0.25 U	8.23	Deleted
MW-335 (-2.48)	6/8/2004	872,038	260,710	-83.71	0.25 U	8.23	Deleted
MW-335 (-12.48)	6/8/2004	871,995	260,670	-84.95	0.25 U	8.23	Deleted
MW-335 (-22.48)	6/9/2004	871,937	260,608	-86.30	0.25 U	8.23	Deleted
MW-335 (-32.48)	6/9/2004	871,869	260,523	-88.09	0.25 U	8.23	Deleted
MW-335 (-42.48)	6/9/2004	871,759	260,267	-93.63	0.25 U	8.23	Deleted
MW-335 (-52.48)	6/9/2004	871,657	259,989	-100.80	6.2 U	8.23	Deleted
MW-335 (-62.48)	6/9/2004	871,740	260,194	-99.69	6.2 U	8.23	Deleted
MW-335 (-72.48)	6/10/2004	871,723	260,165	-103.66	0.25 U	8.23	Deleted
MW-335 (-82.48)	6/10/2004	871,739	260,220	-107.61	0.25 U	8.23	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-335 (-92.48)	6/10/2004	871,712	260,167	-112.20	0.25 U	8.23	Deleted
MW-335 (-102.48)	6/10/2004	871,684	260,116	-117.54	0.25 U	8.23	Deleted
MW-335 (-112.48)	6/10/2004	871,660	260,070	-123.50	0.25 U	8.23	Deleted
MW-335 (-122.48)	6/10/2004	871,300	259,656	-124.44	0.25 U	8.23	Deleted
MW-335 (-132.48)	6/10/2004	871,250	259,621	-133.15	0.25 U	8.23	Deleted
MW-335 (-152.48)	6/11/2004	871,223	259,634	-152.84	0.25 U	8.22	Deleted
MW-335 (-162.48)	6/11/2004	871,219	259,639	-162.60	0.25 U	8.22	Deleted
MW-335 (-168.98)	6/11/2004	871,219	259,639	-168.99	0.25 U	8.22	Deleted
MW-335M1	8/16/2004	871,727	260,187	-106.80	0.25 U	8.04	Deleted
MW-335M1	12/16/2004	871,702	260,120	-106.37	0.25 U	7.71	Deleted
MW-335M1	4/14/2005	871,676	260,045	-107.53	0.25 U	7.38	Deleted
MW-335M1	11/4/2005	871,622	259,880	-113.56	0.25 U	6.82	Deleted
MW-335M1	1/19/2006	871,590	259,764	-114.83	0.25 U	6.62	Deleted
MW-335M1	4/6/2006	871,522	259,496	-109.91	0.25 U	6.41	Deleted
MW-335M1	10/12/2011	871,366	259,468	-89.72	0.213 U	0.89	Deleted
MW-335M1	2/28/2012	871,295	259,547	-92.87	0.208 U	0.51	Deleted
MW-335M1	8/28/2012	871,195	259,608	-83.23	0.202 U	0.01	Deleted
MW-335M2	8/16/2004	871,745	260,231	-93.68	0.25 U	8.04	Deleted
MW-335M2	12/16/2004	871,720	260,160	-93.42	0.25 U	7.71	Deleted
MW-335M2	4/14/2005	871,690	260,079	-94.46	0.25 U	7.38	Deleted
MW-335M2	3/15/2011	871,380	259,495	-74.75	0.204 U	1.47	Deleted
MW-335M2	10/12/2011	871,287	259,603	-79.50	0.22 U	0.89	Deleted
MW-335M2	2/28/2012	871,248	259,616	-69.40	0.213 UJ	0.51	Deleted
MW-335M2	8/28/2012	871,194	259,609	-43.33	0.204 U	0.01	Deleted
MW-335M3	8/16/2004	872,086	260,823	-44.84	0.25 U	8.04	Deleted
MW-335M3	12/16/2004	872,049	260,767	-35.81	0.25 U	7.71	Deleted
MW-335M3	4/14/2005	872,009	260,702	-26.21	0.25 U	7.38	Deleted
MW-336 (58.71)	6/16/2004	870,640	255,854	7.72	0.79 U	8.21	Deleted
MW-336 (48.71)	6/16/2004	870,635	255,857	2.47	0.25 U	8.21	Deleted
MW-336 (38.71)	6/16/2004	870,630	255,860	-2.93	0.25 U	8.21	Deleted
MW-336 (28.71)	6/16/2004	870,624	255,863	-8.37	0.25 U	8.21	Deleted
MW-336 (18.71)	6/16/2004	870,617	255,866	-13.83	0.25 U	8.21	Deleted
MW-336 (8.71)	6/16/2004	870,609	255,871	-19.15	1.7 U	8.21	Deleted
MW-336 (-1.29)	6/16/2004	870,599	255,876	-24.70	0.25 U	8.21	Deleted
MW-336 (-11.29)	6/16/2004	870,589	255,881	-30.29	0.25 U	8.21	Deleted
MW-336 (-21.29)	6/16/2004	870,578	255,886	-35.69	0.25 U	8.21	Deleted
MW-336 (-31.29)	6/16/2004	870,565	255,892	-41.29	0.25 U	8.21	Deleted
MW-336 (-41.29)	6/17/2004	870,542	255,916	-46.93	0.25 U	8.21	Deleted
MW-336 (-51.29)	6/17/2004	870,168	256,045	-58.17	0.25 U	8.21	Deleted
MW-336 (-61.29)	6/17/2004	870,164	256,045	-67.55	7.4 UJ	8.21	Deleted
MW-336 (-71.29)	6/17/2004	870,159	256,045	-76.51	0.25 U	8.21	Deleted
MW-336 (-81.29)	6/17/2004	870,154	256,046	-86.00	6.3 U	8.21	Deleted
MW-336 (-91.29)	6/21/2004	870,149	256,046	-95.59	0.25 U	8.20	Deleted
MW-336 (-111.29)	6/21/2004	870,135	256,062	-116.21	0.25 U	8.20	Deleted
MW-336 (-121.29)	6/21/2004	870,126	256,061	-123.24	0.25 U	8.20	Deleted
MW-336 (-131.29)	6/21/2004	870,124	256,059	-132.71	1.3 U	8.20	Deleted
MW-336 (-141.29)	6/22/2004	870,122	256,059	-142.45	0.25 U	8.19	Deleted
MW-336 (-151.29)	6/22/2004	870,121	256,059	-152.21	0.25 U	8.19	Deleted
MW-336D	8/17/2004	870,120	256,059	-157.09	0.25 U	8.04	Deleted
MW-336D	12/22/2004	870,119	256,060	-157.08	0.25 U	7.69	Deleted
MW-336D	4/18/2005	870,118	256,060	-157.02	0.25 U	7.37	Deleted
MW-336M1	8/17/2004	870,613	255,869	-7.84	0.25 U	8.04	Deleted
MW-336M1	12/22/2004	870,588	255,880	-6.60	0.25 U	7.69	Deleted
MW-336M1	4/19/2005	870,566	255,890	-5.53	0.25 U	7.37	Deleted
MW-336M1	4/6/2006	870,499	255,919	-2.12	0.25 U	6.41	Deleted
MW-339 (48.84)	6/24/2004	871,331	259,728	-34.82	0.25 U	8.19	Deleted
MW-339 (38.84)	6/24/2004	871,294	259,671	-73.59	0.25 U	8.19	Deleted
MW-339 (28.84)	6/25/2004	871,297	259,634	-89.00	0.25 U	8.18	Deleted
MW-339 (18.84)	6/25/2004	871,281	259,611	-95.27	0.25 U	8.18	Deleted
MW-339 (8.84)	6/25/2004	871,291	259,567	-101.55	0.25 U	8.18	Deleted
MW-339 (-1.16)	6/25/2004	871,140	259,609	-94.35	0.25 U	8.18	Deleted
MW-339 (-11.16)	6/28/2004	871,010	259,598	-84.02	0.25 U	8.18	Deleted
MW-339 (-21.16)	6/28/2004	871,058	259,529	-92.63	0.25 U	8.18	Deleted
MW-339 (-31.16)	6/28/2004	870,991	259,492	-92.78	0.25 U	8.18	Deleted
MW-339 (-41.16)	6/28/2004	870,773	259,428	-85.32	0.25 U	8.18	Deleted
MW-339 (-51.16)	6/28/2004	870,568	259,161	-71.41	0.35	8.18	Deleted
MW-339 (-61.16)	6/28/2004	870,663	259,277	-85.95	2.3 U	8.18	Deleted
MW-339 (-81.16)	6/28/2004	870,667	259,287	-97.40	0.25 U	8.18	Deleted
MW-339 (-91.16)	6/29/2004	870,663	259,291	-103.38	0.25 U	8.17	Deleted
MW-339 (-101.16)	6/29/2004	870,654	259,291	-109.15	0.25 U	8.17	Deleted
MW-339 (-111.16)	6/29/2004	870,635	259,286	-111.76	0.25 U	8.17	Deleted
MW-339 (-121.16)	6/29/2004	870,601	259,249	-116.74	0.25 U	8.17	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-339 (-131.16)	6/29/2004	870,542	259,205	-127.98	4.9 U	8.17	Deleted
MW-339 (-141.16)	6/30/2004	870,430	259,073	-141.68	0.25 U	8.17	Deleted
MW-339 (-151.16)	6/30/2004	870,431	259,074	-151.82	0.25 U	8.17	Deleted
MW-339 (-158.16)	6/30/2004	870,431	259,074	-158.74	0.25 U	8.17	Deleted
MW-339M1	4/11/2007	870,588	259,183	-81.91	0.25 U	5.39	Deleted
MW-339M1	5/1/2008	870,562	259,150	-79.17	0.25 U	4.34	Deleted
MW-339M1	2/19/2009	870,535	259,133	-77.05	0.217 U	3.53	Deleted
MW-339M1	9/11/2009	870,516	259,124	-75.58	0.206 U	2.97	Deleted
MW-339M1	3/4/2010	870,501	259,115	-74.63	0.206 U	2.50	Deleted
MW-339M1	9/29/2010	870,483	259,105	-73.15	0.204 U	1.92	Deleted
MW-339M1	3/15/2011	870,469	259,097	-72.32	0.213 U	1.47	Deleted
MW-339M1	10/18/2011	870,452	259,087	-70.95	0.226 U	0.87	Deleted
MW-339M1	8/27/2012	870,428	259,071	-69.19	0.202 U	0.01	Deleted
MW-339M2	8/20/2004	870,674	259,307	-84.21	0.25 U	8.03	Deleted
MW-339M2	12/20/2004	870,664	259,295	-82.49	0.25 U	7.70	Deleted
MW-339M2	4/18/2005	870,655	259,283	-81.27	0.25 U	7.37	Deleted
MW-339M2	11/7/2005	870,638	259,263	-78.75	0.25 U	6.82	Deleted
MW-339M2	1/31/2006	870,631	259,254	-77.89	0.25 U	6.58	Deleted
MW-339M2	9/11/2009	870,534	259,148	-63.86	0.109 J	2.97	Deleted
MW-339M2	9/29/2010	870,503	259,132	-59.35	0.204 U	1.92	Deleted
MW-339M2	10/18/2011	870,494	259,119	-53.09	0.22 U	0.87	Deleted
MW-339M2	8/27/2012	870,428	259,072	-49.19	0.202 U	0.01	Deleted
MW-342 (59.93)	7/13/2004	871,117	256,722	1.23	1.9 UJ	8.14	Deleted
MW-342 (49.93)	7/13/2004	871,112	256,722	-5.04	1.6 U	8.14	Deleted
MW-342 (39.93)	7/13/2004	871,106	256,721	-11.42	0.25 U	8.14	Deleted
MW-342 (29.93)	7/13/2004	871,101	256,721	-17.92	0.25 U	8.14	Deleted
MW-342 (19.93)	7/13/2004	871,095	256,721	-24.52	9.9 U	8.14	Deleted
MW-342 (9.93)	7/13/2004	871,088	256,721	-30.99	0.25 U	8.14	Deleted
MW-342 (-0.07)	7/13/2004	871,079	256,721	-37.40	2.4 U	8.14	Deleted
MW-342 (-10.07)	7/13/2004	871,069	256,720	-42.93	1.2 U	8.14	Deleted
MW-342 (-20.07)	7/13/2004	871,021	256,713	-48.99	1.6 U	8.14	Deleted
MW-342 (-30.07)	7/14/2004	870,829	256,656	-41.63	0.43 U	8.13	Deleted
MW-342 (-40.07)	7/15/2004	870,609	256,625	-46.75	0.63 U	8.13	Deleted
MW-342 (-50.07)	7/15/2004	870,609	256,625	-55.82	0.25 U	8.13	Deleted
MW-342 (-60.07)	7/15/2004	870,605	256,625	-64.80	0.25 U	8.13	Deleted
MW-342 (-70.07)	7/15/2004	870,602	256,625	-73.75	0.25 U	8.13	Deleted
MW-342 (-80.07)	7/15/2004	870,598	256,624	-82.77	0.25 U	8.13	Deleted
MW-342 (-90.07)	7/15/2004	870,595	256,622	-91.87	0.25 U	8.13	Deleted
MW-342 (-100.07)	7/15/2004	870,592	256,620	-101.01	0.25 U	8.13	Deleted
MW-342 (-110.07)	7/19/2004	870,525	256,607	-110.38	0.25 U	8.12	Deleted
MW-342 (-120.07)	7/20/2004	870,559	256,601	-120.79	2.6 U	8.12	Deleted
MW-342 (-130.07)	7/20/2004	870,557	256,603	-131.17	0.25 U	8.12	Deleted
MW-342 (-140.07)	7/20/2004	870,555	256,603	-141.23	0.25 U	8.12	Deleted
MW-342 (-150.07)	7/21/2004	870,552	256,604	-151.14	0.25 U	8.11	Deleted
MW-342 (-160.07)	7/21/2004	870,552	256,604	-160.98	0.25 U	8.11	Deleted
MW-342M1	9/13/2004	870,607	256,625	-54.81	0.25 U	7.97	Deleted
MW-342M1	1/13/2005	870,603	256,625	-54.58	0.25 U	7.63	Deleted
MW-342M1	3/28/2005	870,601	256,624	-54.19	0.25 U	7.43	Deleted
MW-342M1	10/11/2006	870,583	256,621	-53.35	0.25 U	5.89	Deleted
MW-342M1	4/11/2007	870,578	256,621	-52.35	0.25 U	5.39	Deleted
MW-342M1	5/6/2008	870,566	256,619	-51.92	0.25 U	4.32	Deleted
MW-342M1	9/14/2009	870,552	256,616	-50.94	0.206 U	2.96	Deleted
MW-342M1	10/4/2010	870,541	256,612	-49.73	0.21 U	1.91	Deleted
MW-342M1	10/11/2011	870,531	256,609	-49.40	0.218 U	0.89	Deleted
MW-342M1	8/22/2012	870,522	256,607	-48.79	0.202 U	0.03	Deleted
MW-342M2	9/13/2004	871,020	256,714	-47.66	0.25 U	7.97	Deleted
MW-342M2	1/13/2005	871,004	256,713	-46.65	0.25 U	7.63	Deleted
MW-342M2	3/28/2005	870,996	256,714	-45.45	0.25 U	7.43	Deleted
MW-342S	9/13/2004	871,102	256,721	1.46	0.25 U	7.97	Deleted
MW-342S	1/13/2005	871,076	256,719	3.95	0.25 U	7.63	Deleted
MW-342S	3/28/2005	871,060	256,717	5.54	0.25 U	7.43	Deleted
MW-351 (49.83)	9/16/2004	872,645	262,962	-6.90	0.25 U	7.96	Deleted
MW-351 (39.83)	9/16/2004	872,636	262,936	-13.85	0.25 U	7.96	Deleted
MW-351 (29.83)	9/16/2004	872,626	262,906	-20.85	0.25 U	7.96	Deleted
MW-351 (19.83)	9/16/2004	872,615	262,872	-27.87	0.25 U	7.96	Deleted
MW-351 (9.83)	9/16/2004	872,603	262,834	-34.97	0.25 U	7.96	Deleted
MW-351 (-0.17)	9/16/2004	872,589	262,792	-42.09	0.25 U	7.96	Deleted
MW-351 (-10.17)	9/16/2004	872,574	262,749	-49.32	0.25 U	7.96	Deleted
MW-351 (-20.17)	9/16/2004	872,558	262,701	-56.57	0.25 U	7.96	Deleted
MW-351 (-30.17)	9/16/2004	872,539	262,644	-63.97	0.25 U	7.96	Deleted
MW-351 (-40.17)	9/17/2004	872,514	262,572	-71.45	0.25 U	7.95	Deleted
MW-351 (-50.17)	9/17/2004	872,485	262,488	-79.12	0.25 U	7.95	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-351 (-60.17)	9/17/2004	872,454	262,401	-86.91	0.64 J	7.95	Deleted
MW-351 (-100.17)	9/20/2004	872,350	262,109	-118.91	0.25 U	7.95	Deleted
MW-351 (-110.17)	9/20/2004	872,330	262,053	-126.82	0.25 U	7.95	Deleted
MW-351 (-120.17)	9/20/2004	872,309	261,996	-134.59	0.25 U	7.95	Deleted
MW-351 (-130.17)	9/20/2004	872,290	261,944	-142.48	0.25 U	7.95	Deleted
MW-351 (-140.17)	9/20/2004	872,270	261,899	-150.85	0.25 U	7.95	Deleted
MW-351 (-150.17)	9/20/2004	872,163	261,645	-159.32	0.25 U	7.95	Deleted
MW-351 (-160.17)	9/21/2004	871,950	261,177	-160.62	0.25 U	7.94	Deleted
MW-351 (-170.17)	9/21/2004	871,951	261,177	-170.16	0.25 U	7.94	Deleted
MW-351M1	11/18/2004	872,293	261,954	-137.10	0.25 U	7.79	Deleted
MW-351M1	3/29/2005	872,276	261,910	-136.63	0.25 U	7.43	Deleted
MW-351M1	7/26/2005	872,261	261,871	-136.26	0.25 U	7.10	Deleted
MW-351M1	3/27/2006	872,229	261,788	-136.87	0.25 U	6.43	Deleted
MW-351M1	4/9/2007	872,185	261,664	-135.18	0.25 U	5.40	Deleted
MW-351M1	4/11/2008	872,145	261,537	-135.23	0.25 U	4.39	Deleted
MW-351M1	11/3/2008	872,120	261,474	-134.76	0.25 U	3.83	Deleted
MW-351M1	9/2/2009	872,081	261,393	-133.38	0.206 U	3.00	Deleted
MW-351M1	10/4/2010	872,028	261,291	-129.64	0.213 U	1.91	Deleted
MW-351M1	10/12/2011	871,966	261,191	-125.85	0.22 U	0.89	Deleted
MW-351M1	8/16/2012	871,912	261,113	-123.84	0.203 U	0.04	Deleted
MW-351M2	3/27/2006	872,317	262,013	-99.04	0.25 U	6.43	Deleted
MW-351M2	2/20/2009	872,155	261,559	-93.39	0.217	3.53	Deleted
MW-351M2	9/2/2009	872,123	261,489	-91.87	0.206 U	3.00	Deleted
MW-351M2	3/4/2010	872,091	261,424	-90.24	0.208 U	2.50	Deleted
MW-351M2	10/4/2010	872,053	261,348	-88.02	0.213 U	1.91	Deleted
MW-351M2	3/16/2011	872,022	261,292	-85.80	0.263 U	1.46	Deleted
MW-351M2	10/12/2011	871,980	261,220	-83.17	0.222 U	0.89	Deleted
MW-351M2	2/29/2012	871,951	261,171	-81.35	0.214 U	0.51	Deleted
MW-351M2	8/16/2012	871,913	261,114	-79.09	0.204 U	0.04	Deleted
MW-354 (52.52)	9/21/2004	873,334	261,833	-6.49	0.25 U	7.94	Deleted
MW-354 (42.52)	9/21/2004	873,324	261,812	-13.88	0.25 U	7.94	Deleted
MW-354 (32.52)	9/22/2004	873,313	261,787	-21.38	0.25 U	7.94	Deleted
MW-354 (22.52)	9/22/2004	873,301	261,759	-28.88	0.25 U	7.94	Deleted
MW-354 (12.52)	9/22/2004	873,287	261,729	-36.47	0.25 U	7.94	Deleted
MW-354 (2.52)	9/22/2004	873,271	261,697	-44.31	0.25 U	7.94	Deleted
MW-354 (-7.48)	9/22/2004	873,252	261,660	-52.10	0.25 U	7.94	Deleted
MW-354 (-17.48)	9/22/2004	873,232	261,618	-59.94	0.25 U	7.94	Deleted
MW-354 (-27.48)	9/23/2004	873,207	261,568	-67.90	0.25 U	7.94	Deleted
MW-354 (-37.48)	9/23/2004	873,179	261,512	-75.71	0.25 U	7.94	Deleted
MW-354 (-47.48)	9/23/2004	873,146	261,447	-83.85	0.25 U	7.94	Deleted
MW-354 (-57.48)	9/23/2004	873,109	261,377	-92.11	0.25 U	7.94	Deleted
MW-354 (-67.48)	9/23/2004	873,076	261,315	-100.51	0.25 U	7.94	Deleted
MW-354 (-77.48)	9/24/2004	873,042	261,255	-109.08	0.25 U	7.94	Deleted
MW-354 (-87.48)	9/24/2004	873,011	261,202	-117.79	0.25 U	7.94	Deleted
MW-354 (-97.48)	9/24/2004	872,980	261,151	-125.96	0.25 U	7.94	Deleted
MW-354 (-107.48)	9/24/2004	872,954	261,107	-133.74	0.25 U	7.94	Deleted
MW-354 (-117.48)	9/27/2004	872,925	261,060	-141.85	0.25 U	7.93	Deleted
MW-354 (-127.48)	9/27/2004	872,898	261,016	-149.25	0.25 U	7.93	Deleted
MW-354 (-137.48)	9/27/2004	872,870	260,973	-156.67	0.25 U	7.93	Deleted
MW-354 (-147.48)	9/27/2004	872,788	260,824	-160.93	0.25 U	7.93	Deleted
MW-354 (-156.73)	9/28/2004	872,619	260,360	-157.56	0.25 U	7.92	Deleted
MW-354M1	11/18/2004	872,949	261,102	-131.97	0.25 U	7.79	Deleted
MW-354M1	3/29/2005	872,923	261,069	-132.21	0.25 U	7.43	Deleted
MW-354M1 (-104.50)	7/27/2005	872,898	261,039	-132.91	0.25 U	7.10	Deleted
MW-354M1 (-109.98)	2/9/2006	872,841	260,969	-138.51	0.25 U	6.56	Deleted
MW-354M1	4/3/2006	872,829	260,956	-138.88	0.25 U	6.41	Deleted
MW-354M1 (-109.98)	10/5/2006	872,785	260,914	-140.22	0.25 U	5.91	Deleted
MW-354M1 (-104.50)	4/6/2007	872,746	260,886	-138.32	0.25 U	5.41	Deleted
MW-354M1	9/19/2007	872,701	260,847	-140.52	0.25 U	4.95	Deleted
MW-354M1	4/9/2008	872,647	260,802	-141.31	0.25 U	4.40	Deleted
MW-354M1	10/31/2008	872,623	260,752	-139.86	0.25 U	3.83	Deleted
MW-354M1	9/3/2009	872,628	260,667	-135.40	0.204 U	2.99	Deleted
MW-354M1	9/30/2010	872,633	260,539	-128.74	0.208 U	1.92	Deleted
MW-354M1	10/19/2011	872,623	260,405	-118.23	0.225 U	0.87	Deleted
MW-354M1	8/29/2012	872,600	260,300	-104.82	0.203 U	0.01	Deleted
MW-354M2	11/18/2004	873,072	261,311	-98.43	0.25 U	7.79	Deleted
MW-354M2	3/29/2005	873,044	261,266	-99.28	0.25 U	7.43	Deleted
MW-354M2	7/27/2005	873,016	261,225	-100.19	0.25 U	7.10	Deleted
MW-354M2	2/9/2006	872,967	261,159	-103.17	0.25 U	6.56	Deleted
MW-354M2	4/3/2006	872,952	261,139	-103.75	0.25 U	6.41	Deleted
MW-354M2	10/5/2006	872,897	261,074	-108.00	0.25 U	5.91	Deleted
MW-354M2	4/6/2007	872,835	261,009	-113.19	0.25 U	5.41	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-354M2	9/19/2007	872,774	260,948	-118.52	0.25 U	4.95	Deleted
MW-354M2	4/9/2008	872,697	260,868	-124.87	0.25 U	4.40	Deleted
MW-354M2	10/31/2008	872,659	260,801	-125.72	0.25 U	3.83	Deleted
MW-354M2	2/23/2009	872,657	260,769	-123.90	0.215 U	3.52	Deleted
MW-354M2	9/3/2009	872,657	260,712	-120.39	0.21 U	2.99	Deleted
MW-354M2	3/4/2010	872,657	260,653	-116.59	0.227 U	2.50	Deleted
MW-354M2	9/30/2010	872,657	260,577	-111.32	0.206 U	1.92	Deleted
MW-354M2	3/15/2011	872,653	260,512	-105.56	0.21 U	1.47	Deleted
MW-354M2	10/19/2011	872,640	260,421	-94.02	0.22 U	0.87	Deleted
MW-354M2	8/29/2012	872,600	260,300	-65.36	0.204 U	0.01	Deleted
MW-355 (45.36)	10/20/2004	874,065	254,443	4.04	0.25 U	7.86	Deleted
MW-355 (35.36)	10/20/2004	874,050	254,456	-0.11	0.25 U	7.86	Deleted
MW-355 (25.36)	10/20/2004	874,025	254,531	-2.57	0.25 U	7.86	Deleted
MW-355 (15.36)	10/20/2004	872,597	255,659	12.22	0.25 U	7.86	Deleted
MW-355 (5.36)	10/20/2004	873,125	255,289	-14.17	0.25 U	7.86	Deleted
MW-355 (-4.64)	10/20/2004	872,761	255,550	-5.34	0.25 U	7.86	Deleted
MW-355 (-14.64)	10/21/2004	872,561	255,684	-15.00	0.25 U	7.86	Deleted
MW-355 (-24.64)	10/21/2004	872,561	255,684	-24.96	0.25 U	7.86	Deleted
MW-355 (-34.64)	10/21/2004	872,561	255,684	-34.96	0.25 U	7.86	Deleted
MW-355 (-44.64)	10/21/2004	872,732	255,563	-45.16	0.25 U	7.86	Deleted
MW-355 (-54.64)	10/21/2004	872,726	255,567	-55.45	0.25 U	7.86	Deleted
MW-355 (-64.64)	10/22/2004	872,712	255,577	-65.68	0.25 U	7.86	Deleted
MW-355 (-74.64)	10/22/2004	872,706	255,582	-75.87	0.25 U	7.86	Deleted
MW-355 (-84.64)	10/22/2004	872,694	255,591	-85.98	0.25 U	7.86	Deleted
MW-355 (-94.64)	10/22/2004	872,688	255,595	-96.04	0.25 U	7.86	Deleted
MW-355 (-104.64)	10/25/2004	872,681	255,600	-106.06	0.25 U	7.85	Deleted
MW-355 (-114.64)	10/25/2004	872,626	255,640	-116.07	0.25 U	7.85	Deleted
MW-355 (-124.64)	10/25/2004	872,622	255,643	-125.93	0.25 U	7.85	Deleted
MW-355 (-134.64)	10/25/2004	872,618	255,646	-135.75	0.25 U	7.85	Deleted
MW-355 (-144.64)	10/26/2004	872,617	255,648	-145.43	0.25 U	7.85	Deleted
MW-355 (-154.64)	10/27/2004	872,562	255,682	-155.03	0.25 U	7.85	Deleted
MW-355M1	12/20/2004	872,709	255,580	-68.22	0.25 U	7.70	Deleted
MW-355M1	3/30/2005	872,704	255,583	-68.18	0.25 U	7.42	Deleted
MW-355M1	8/2/2005	872,697	255,588	-68.13	0.25 U	7.08	Deleted
MW-355S	12/20/2004	874,044	254,463	10.77	0.25 U	7.70	Deleted
MW-355S	3/30/2005	873,976	254,524	12.14	0.25 U	7.42	Deleted
MW-355S	8/2/2005	873,893	254,600	14.18	0.25 U	7.08	Deleted
MW-357 (57.29)	10/27/2004	874,686	260,589	-9.63	0.25 U	7.85	Deleted
MW-357 (47.29)	10/27/2004	874,676	260,573	-17.60	0.25 U	7.85	Deleted
MW-357 (37.29)	10/28/2004	874,664	260,554	-25.80	0.25 U	7.84	Deleted
MW-357 (27.29)	10/28/2004	874,653	260,534	-34.33	0.25 U	7.84	Deleted
MW-357 (17.29)	10/28/2004	874,641	260,509	-42.94	0.25 U	7.84	Deleted
MW-357 (7.29)	11/1/2004	874,626	260,458	-53.01	0.25 U	7.83	Deleted
MW-357 (-2.71)	11/2/2004	874,601	260,421	-57.88	0.25 U	7.83	Deleted
MW-357 (-12.71)	11/2/2004	874,443	260,185	-59.85	0.25 U	7.83	Deleted
MW-357 (-22.71)	11/3/2004	873,981	259,605	-36.64	0.25 U	7.83	Deleted
MW-357 (-32.71)	11/3/2004	873,978	259,600	-45.34	0.25 U	7.83	Deleted
MW-357 (-42.71)	11/3/2004	873,977	259,594	-54.06	0.25 U	7.83	Deleted
MW-357 (-52.71)	11/3/2004	873,972	259,583	-62.93	0.25 U	7.83	Deleted
MW-357 (-62.71)	11/3/2004	873,968	259,574	-72.01	0.25 U	7.83	Deleted
MW-357 (-72.71)	11/3/2004	874,092	259,720	-81.93	0.25 U	7.83	Deleted
MW-357 (-82.71)	11/3/2004	874,469	260,139	-89.68	0.25 U	7.83	Deleted
MW-357 (-92.71)	11/3/2004	874,430	260,092	-102.35	0.25 U	7.83	Deleted
MW-357 (-102.71)	11/4/2004	874,392	260,046	-112.99	0.25 U	7.82	Deleted
MW-357 (-112.71)	11/4/2004	874,365	260,011	-123.28	0.25 U	7.82	Deleted
MW-357 (-122.71)	11/4/2004	874,311	259,910	-132.95	0.25 U	7.82	Deleted
MW-357 (-132.71)	11/4/2004	873,899	259,491	-133.17	0.25 U	7.82	Deleted
MW-357 (-142.71)	11/4/2004	873,897	259,478	-143.01	0.25 U	7.82	Deleted
MW-357 (-152.71)	11/4/2004	873,893	259,471	-152.89	0.25 U	7.82	Deleted
MW-357M1 (-114.71)	2/18/2005	874,345	259,989	-125.04	0.25 U	7.53	Deleted
MW-357M1 (-21.79)	6/16/2005	873,971	259,592	-34.83	0.25 U	7.21	Deleted
MW-357M1 (-112.22)	10/14/2005	874,306	259,943	-121.93	0.25 U	6.88	Deleted
MW-357M1	4/3/2006	874,274	259,907	-124.60	0.25 U	6.41	Deleted
MW-357M1	4/9/2007	874,212	259,836	-121.26	0.25 U	5.40	Deleted
MW-357M1	4/29/2008	874,143	259,761	-121.18	0.25 U	4.34	Deleted
MW-357M1	9/16/2010	873,983	259,588	-117.88	0.208 U	1.96	Deleted
MW-357M1	8/16/2012	873,853	259,431	-112.21	0.202 U	0.04	Deleted
MW-357M2 (-22.71)	2/18/2005	873,976	259,599	-36.17	0.25 U	7.53	Deleted
MW-357M2 (-112.22)	6/16/2005	874,327	259,967	-122.28	1.3 U	7.21	Deleted
MW-357M2 (-21.79)	10/14/2005	873,966	259,585	-34.29	0.25 U	6.88	Deleted
MW-357M2	4/3/2006	873,959	259,574	-34.37	0.25 U	6.41	Deleted
MW-357M2	4/9/2007	873,943	259,552	-31.73	0.25 U	5.40	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-357M2	4/29/2008	873,929	259,533	-29.87	0.25 U	4.34	Deleted
MW-358 (49.18)	11/4/2004	875,140	257,879	-1.74	0.25 U	7.82	Deleted
MW-358 (39.18)	11/4/2004	875,129	257,876	-8.04	0.25 U	7.82	Deleted
MW-358 (29.18)	11/5/2004	875,115	257,873	-14.36	0.25 U	7.82	Deleted
MW-358 (19.18)	11/5/2004	875,100	257,869	-20.68	0.25 U	7.82	Deleted
MW-358 (9.18)	11/5/2004	875,083	257,865	-27.07	0.25 U	7.82	Deleted
MW-358 (-0.82)	11/5/2004	875,063	257,860	-33.51	0.25 U	7.82	Deleted
MW-358 (-10.82)	11/8/2004	875,042	257,855	-39.97	0.25 U	7.81	Deleted
MW-358 (-20.82)	11/8/2004	875,021	257,850	-47.01	0.25 U	7.81	Deleted
MW-358 (-30.82)	11/8/2004	875,000	257,845	-53.65	0.25 U	7.81	Deleted
MW-358 (-40.82)	11/8/2004	874,970	257,838	-60.31	0.25 U	7.81	Deleted
MW-358 (-50.82)	11/8/2004	874,930	257,828	-67.08	0.25 U	7.81	Deleted
MW-358 (-60.82)	11/8/2004	874,883	257,816	-74.51	0.25 U	7.81	Deleted
MW-358 (-70.82)	11/9/2004	874,841	257,806	-81.55	0.25 U	7.81	Deleted
MW-358 (-80.82)	11/9/2004	874,797	257,795	-88.75	0.25 U	7.81	Deleted
MW-358 (-90.82)	11/9/2004	874,758	257,786	-96.63	0.25 U	7.81	Deleted
MW-358 (-100.82)	11/9/2004	874,721	257,777	-104.06	0.25 U	7.81	Deleted
MW-358 (-110.82)	11/10/2004	874,132	257,646	-112.35	0.25 U	7.81	Deleted
MW-358 (-120.82)	11/10/2004	874,130	257,646	-122.09	0.25 U	7.81	Deleted
MW-358 (-130.82)	11/10/2004	874,127	257,645	-131.82	0.25 U	7.81	Deleted
MW-358 (-140.82)	11/10/2004	874,124	257,644	-141.48	0.25 U	7.81	Deleted
MW-358 (-150.82)	11/11/2004	874,122	257,643	-151.11	0.25 U	7.80	Deleted
MW-358 (-160.82)	11/11/2004	874,071	257,634	-160.89	0.25 U	7.80	Deleted
MW-358M1	12/16/2004	874,819	257,801	-83.21	0.25 U	7.71	Deleted
MW-358M1	3/31/2005	874,793	257,793	-82.86	0.25 U	7.42	Deleted
MW-358M1	7/29/2005	874,763	257,785	-82.94	0.25 U	7.09	Deleted
MW-358M2	12/16/2004	875,009	257,847	-47.04	0.25 U	7.71	Deleted
MW-358M2	4/1/2005	874,976	257,838	-46.17	0.25 U	7.42	Deleted
MW-358M2	7/29/2005	874,938	257,827	-45.21	0.25 U	7.09	Deleted
MW-362 (46.93)	12/10/2004	875,353	254,693	9.04	0.25 U	7.72	Deleted
MW-362 (36.93)	12/13/2004	875,341	254,718	4.68	0.25 U	7.72	Deleted
MW-362 (26.93)	12/13/2004	875,331	254,739	0.39	0.25 U	7.72	Deleted
MW-362 (16.93)	12/13/2004	875,319	254,761	-3.89	0.25 U	7.72	Deleted
MW-362 (6.93)	12/13/2004	875,305	254,786	-8.15	0.25 U	7.72	Deleted
MW-362 (-3.07)	12/13/2004	875,209	255,049	-12.60	0.25 U	7.72	Deleted
MW-362 (-13.07)	12/14/2004	874,656	255,731	-19.80	0.25 U	7.71	Deleted
MW-362 (-23.07)	12/14/2004	874,207	256,042	-29.56	0.25 U	7.71	Deleted
MW-362 (-33.07)	12/14/2004	874,204	256,045	-37.53	0.25 U	7.71	Deleted
MW-362 (-43.07)	12/14/2004	874,073	256,135	-46.13	0.25 U	7.71	Deleted
MW-362 (-54.57)	12/15/2004	874,113	256,114	-57.35	0.25 U	7.71	Deleted
MW-362 (-63.07)	12/16/2004	874,180	256,065	-66.81	0.25 U	7.71	Deleted
MW-362 (-73.07)	12/16/2004	874,171	256,071	-75.74	0.25 U	7.71	Deleted
MW-362 (-83.07)	12/16/2004	874,160	256,078	-85.03	0.25 U	7.71	Deleted
MW-362 (-93.07)	12/16/2004	874,153	256,082	-94.37	0.25 U	7.71	Deleted
MW-362 (-103.07)	12/17/2004	874,140	256,091	-103.79	0.25 U	7.71	Deleted
MW-362 (-113.07)	12/17/2004	874,085	256,127	-113.59	0.25 U	7.71	Deleted
MW-362 (-123.07)	12/20/2004	874,080	256,129	-123.22	0.25 U	7.70	Deleted
MW-362 (-133.07)	12/20/2004	874,075	256,132	-132.82	0.25 U	7.70	Deleted
MW-362 (-143.07)	12/20/2004	874,071	256,134	-142.41	0.25 U	7.70	Deleted
MW-362 (-153.07)	12/20/2004	874,069	256,134	-151.97	0.25 U	7.70	Deleted
MW-362 (-164.07)	12/21/2004	874,012	256,173	-164.10	0.25 U	7.69	Deleted
MW-362M1	3/31/2005	874,163	256,076	-76.97	0.25 U	7.42	Deleted
MW-362M1	8/2/2005	874,156	256,081	-76.89	0.25 U	7.08	Deleted
MW-362M1	11/29/2005	874,149	256,085	-76.72	0.25 U	6.76	Deleted
MW-362M2	3/30/2005	874,410	255,935	-26.11	0.25 U	7.42	Deleted
MW-362M2	8/2/2005	874,401	255,943	-25.36	0.25 U	7.08	Deleted
MW-362M2	11/29/2005	874,393	255,949	-24.65	0.25 U	6.76	Deleted
MW-365 (56.16)	1/12/2005	873,177	259,594	-11.12	0.65 J	7.63	Deleted
MW-365 (46.16)	1/12/2005	873,167	259,582	-19.63	0.25 U	7.63	Deleted
MW-365 (36.16)	1/12/2005	873,157	259,569	-28.25	0.25 U	7.63	Deleted
MW-365 (26.16)	1/12/2005	873,146	259,553	-37.03	0.25 U	7.63	Deleted
MW-365 (16.16)	1/12/2005	873,136	259,533	-45.71	0.25 U	7.63	Deleted
MW-365 (6.16)	1/12/2005	873,122	259,496	-53.34	0.25 U	7.63	Deleted
MW-365 (-3.84)	1/12/2005	872,891	259,106	-35.07	0.25 U	7.63	Deleted
MW-365 (-13.84)	1/12/2005	872,588	258,760	-61.85	0.25 U	7.63	Deleted
MW-365 (-23.84)	1/13/2005	872,575	258,812	-71.21	0.25 U	7.63	Deleted
MW-365 (-33.84)	1/13/2005	872,601	258,897	-76.21	0.25 U	7.63	Deleted
MW-365 (-43.84)	1/13/2005	872,639	258,978	-79.93	0.25 U	7.63	Deleted
MW-365 (-53.84)	1/13/2005	872,714	259,074	-82.45	0.25 U	7.63	Deleted
MW-365 (-63.84)	1/13/2005	872,943	259,241	-85.29	0.25 U	7.63	Deleted
MW-365 (-73.84)	1/13/2005	872,913	259,205	-92.57	0.25 U	7.63	Deleted
MW-365 (-83.84)	1/13/2005	872,881	259,169	-99.49	0.25 U	7.63	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-365 (-93.84)	1/13/2005	872,855	259,137	-105.35	0.25 U	7.63	Deleted
MW-365 (-103.84)	1/14/2005	872,829	259,104	-110.34	0.25 U	7.63	Deleted
MW-365 (-113.84)	1/14/2005	872,491	258,570	-115.71	0.25 U	7.63	Deleted
MW-365 (-123.84)	1/14/2005	872,489	258,560	-125.03	0.25 U	7.63	Deleted
MW-365 (-133.84)	1/17/2005	872,487	258,554	-134.62	0.25 U	7.62	Deleted
MW-365 (-153.84)	1/17/2005	872,485	258,547	-153.70	0.25 U	7.62	Deleted
MW-365M1	4/19/2005	872,487	258,559	-125.13	0.25 U	7.37	Deleted
MW-365M1	8/16/2005	872,485	258,557	-125.10	0.25 U	7.04	Deleted
MW-365M1	12/13/2005	872,484	258,555	-125.06	0.25 U	6.72	Deleted
MW-365M2	4/19/2005	872,705	259,067	-82.95	0.25 U	7.37	Deleted
MW-365M2	8/16/2005	872,686	259,051	-82.75	0.25 U	7.04	Deleted
MW-365M2	12/13/2005	872,670	259,036	-82.91	0.25 U	6.72	Deleted
MW-365M2	4/6/2006	872,656	259,021	-82.78	0.25 U	6.41	Deleted
MW-365M2	4/10/2007	872,609	258,973	-82.75	0.25 U	5.40	Deleted
MW-365M2	9/21/2007	872,589	258,953	-82.72	0.25 U	4.95	Deleted
MW-365M2	4/10/2008	872,565	258,931	-82.68	0.25 U	4.39	Deleted
MW-365M2	10/31/2008	872,545	258,886	-81.65	0.25 U	3.83	Deleted
MW-365M2	9/3/2009	872,523	258,795	-78.32	0.213 U	2.99	Deleted
MW-365M2	9/29/2010	872,494	258,671	-72.06	0.2 U	1.92	Deleted
MW-365M2	10/11/2011	872,467	258,546	-63.11	0.21 U	0.89	Deleted
MW-365M2	8/14/2012	872,461	258,513	-54.88	0.202 U	0.05	Deleted
MW-365S	4/19/2005	873,146	259,577	-8.64	0.25 U	7.37	Deleted
MW-365S	8/16/2005	873,104	259,555	-6.51	0.25 U	7.04	Deleted
MW-365S	12/13/2005	873,060	259,535	-4.28	0.25 U	6.72	Deleted
MW-366 (53.13)	2/1/2005	870,183	260,165	-20.68	0.59 U	7.58	Deleted
MW-366 (43.13)	2/1/2005	870,189	260,159	-29.50	0.25 U	7.58	Deleted
MW-366 (33.13)	2/1/2005	870,196	260,154	-37.85	0.25 U	7.58	Deleted
MW-366 (23.13)	2/1/2005	870,205	260,145	-46.16	0.25 U	7.58	Deleted
MW-366 (13.13)	2/1/2005	870,222	260,110	-55.45	0.25 U	7.58	Deleted
MW-366 (3.13)	2/2/2005	870,241	260,098	-62.34	0.25 U	7.58	Deleted
MW-366 (-6.87)	2/2/2005	870,262	260,089	-68.68	0.25 U	7.58	Deleted
MW-366 (-16.87)	2/2/2005	870,281	260,078	-74.71	0.25 U	7.58	Deleted
MW-366 (-26.87)	2/2/2005	870,287	260,040	-77.94	0.7	7.58	Deleted
MW-366 (-36.87)	2/2/2005	870,211	259,830	-68.61	0.25 U	7.58	Deleted
MW-366 (-46.87)	2/2/2005	870,282	259,916	-82.50	0.25 U	7.58	Deleted
MW-366 (-56.87)	2/3/2005	870,336	259,976	-90.52	0.25 U	7.57	Deleted
MW-366 (-66.87)	2/3/2005	870,345	259,997	-95.06	0.25 U	7.57	Deleted
MW-366 (-76.87)	2/3/2005	870,330	259,976	-99.12	0.25 U	7.57	Deleted
MW-366 (-86.87)	2/3/2005	870,318	259,957	-103.86	0.25 U	7.57	Deleted
MW-366 (-96.87)	2/3/2005	870,302	259,937	-108.81	0.25 U	7.57	Deleted
MW-366 (-106.87)	2/3/2005	870,290	259,921	-114.31	0.25 U	7.57	Deleted
MW-366 (-116.87)	2/3/2005	870,278	259,908	-119.71	0.25 U	7.57	Deleted
MW-366 (-126.87)	2/7/2005	870,016	259,540	-126.83	0.25 U	7.56	Deleted
MW-366 (-146.87)	2/7/2005	870,016	259,539	-146.82	0.25 U	7.56	Deleted
MW-366 (-156.87)	2/7/2005	870,030	259,564	-156.99	0.25 U	7.56	Deleted
MW-366M1	3/15/2005	870,339	259,988	-94.41	0.25 U	7.46	Deleted
MW-366M1	7/25/2005	870,320	259,957	-92.46	0.25 U	7.10	Deleted
MW-366M1	11/18/2005	870,305	259,932	-90.62	0.25 U	6.79	Deleted
MW-366M1	9/26/2006	870,266	259,864	-85.96	0.25 U	5.93	Deleted
MW-366M1	4/12/2007	870,248	259,825	-83.39	0.25 U	5.39	Deleted
MW-366M1	10/2/2007	870,232	259,790	-81.35	0.217 U	4.92	Deleted
MW-366M1	9/29/2008	870,197	259,725	-77.17	0.215 U	3.92	Deleted
MW-366M1	8/19/2009	870,158	259,686	-74.04	0.244	3.04	Deleted
MW-366M1	9/30/2010	870,108	259,635	-70.69	0.202 U	1.92	Deleted
MW-366M1	10/13/2011	870,059	259,584	-68.46	0.209 UJ	0.89	Deleted
MW-366M1	8/23/2012	870,016	259,538	-66.90	0.203 U	0.02	Deleted
MW-366M2	3/15/2005	870,281	260,034	-76.86	0.73	7.46	Deleted
MW-366M2	7/25/2005	870,258	259,999	-72.44	0.44	7.10	Deleted
MW-366M2	11/18/2005	870,240	259,964	-68.81	0.33	6.79	Deleted
MW-366M2	9/26/2006	870,193	259,874	-60.67	0.25 U	5.93	Deleted
MW-366M2	4/12/2007	870,176	259,820	-56.89	0.25 U	5.39	Deleted
MW-366M2	10/2/2007	870,173	259,791	-51.94	0.222 UJ	4.92	Deleted
MW-366M2	9/29/2008	870,174	259,750	-46.12	0.215 U	3.92	Deleted
MW-366M2	8/19/2009	870,154	259,720	-40.18	0.206 U	3.04	Deleted
MW-366M2	9/30/2010	870,109	259,665	-34.93	0.206 U	1.92	Deleted
MW-366M2	10/13/2011	870,059	259,598	-30.51	0.23 U	0.89	Deleted
MW-366M2	8/23/2012	870,016	259,539	-26.97	0.202 U	0.02	Deleted
MW-366M3	3/15/2005	870,236	260,086	-60.58	0.25 U	7.46	Deleted
MW-366M3	7/25/2005	870,226	260,056	-54.78	0.25 U	7.10	Deleted
MW-366M3	11/18/2005	870,224	260,037	-50.26	0.25 U	6.79	Deleted
MW-366M3	9/26/2006	870,222	259,969	-39.62	0.25 U	5.93	Deleted
MW-366M3	4/12/2007	870,222	259,919	-34.58	0.25 U	5.39	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-366M3	10/2/2007	870,220	259,875	-30.28	0.215 U	4.92	Deleted
MW-366M3	9/29/2008	870,203	259,791	-22.23	0.217 UJ	3.92	Deleted
MW-366M3	8/19/2009	870,166	259,743	-15.31	0.206 U	3.04	Deleted
MW-366M3	9/30/2010	870,114	259,674	-7.82	0.206 U	1.92	Deleted
MW-366M3	10/13/2011	870,062	259,603	-1.77	0.222 U	0.89	Deleted
MW-366M3	8/23/2012	870,016	259,539	2.98	0.203 U	0.02	Deleted
MW-367 (51.63)	3/4/2005	873,118	256,758	2.03	0.25 U	7.50	Deleted
MW-367 (41.63)	3/7/2005	873,107	256,760	-4.09	0.25 U	7.49	Deleted
MW-367 (31.63)	3/7/2005	873,096	256,761	-10.25	0.25 U	7.49	Deleted
MW-367 (21.63)	3/7/2005	873,083	256,763	-16.56	0.25 U	7.49	Deleted
MW-367 (11.63)	3/7/2005	873,069	256,766	-22.99	0.25 U	7.49	Deleted
MW-367 (1.63)	3/7/2005	873,052	256,767	-29.58	0.25 U	7.49	Deleted
MW-367 (-8.37)	3/7/2005	873,033	256,769	-36.30	0.25 U	7.49	Deleted
MW-367 (-18.37)	3/7/2005	873,015	256,771	-43.15	0.42 J	7.49	Deleted
MW-367 (-28.37)	3/8/2005	872,997	256,772	-50.07	0.25 U	7.48	Deleted
MW-367 (-38.37)	3/8/2005	872,975	256,773	-57.13	0.25 U	7.48	Deleted
MW-367 (-48.37)	3/8/2005	872,944	256,775	-64.33	0.25 U	7.48	Deleted
MW-367 (-58.37)	3/8/2005	872,905	256,776	-71.66	0.25 U	7.48	Deleted
MW-367 (-68.37)	3/8/2005	872,870	256,776	-79.03	0.25 U	7.48	Deleted
MW-367 (-78.37)	3/9/2005	872,833	256,776	-86.42	0.25 U	7.48	Deleted
MW-367 (-88.37)	3/9/2005	872,802	256,776	-93.83	0.25 U	7.48	Deleted
MW-367 (-98.37)	3/9/2005	872,771	256,776	-101.36	0.25 U	7.48	Deleted
MW-367 (-108.37)	3/10/2005	872,294	256,765	-109.95	0.25 U	7.48	Deleted
MW-367 (-118.37)	3/10/2005	872,334	256,762	-119.75	0.25 U	7.48	Deleted
MW-367 (-128.37)	3/11/2005	872,332	256,761	-129.43	0.25 U	7.48	Deleted
MW-367 (-138.37)	3/11/2005	872,329	256,760	-139.28	0.25 U	7.48	Deleted
MW-367 (-148.37)	3/11/2005	872,327	256,760	-149.01	0.25 U	7.48	Deleted
MW-367 (-158.37)	3/11/2005	872,327	256,760	-158.76	0.25 U	7.48	Deleted
MW-367M1	3/31/2005	872,908	256,775	-69.84	0.25 U	7.42	Deleted
MW-367M1	7/28/2005	872,877	256,774	-69.39	0.25 U	7.10	Deleted
MW-367M1	12/8/2005	872,843	256,772	-68.84	0.25 U	6.73	Deleted
MW-367M1	4/4/2006	872,813	256,770	-68.23	0.25 U	6.41	Deleted
MW-367M1	10/9/2006	872,765	256,768	-67.40	0.25 U	5.90	Deleted
MW-367M1	4/11/2007	872,717	256,766	-66.70	0.25 U	5.39	Deleted
MW-367M1	9/28/2007	872,674	256,764	-65.91	0.25 U	4.93	Deleted
MW-367M2	3/31/2005	873,008	256,771	-42.77	0.25 U	7.42	Deleted
MW-367M2	7/28/2005	872,971	256,769	-42.12	0.25 U	7.10	Deleted
MW-367M2	12/8/2005	872,931	256,768	-41.33	0.25 U	6.73	Deleted
MW-367M2	4/4/2006	872,895	256,766	-40.47	0.25 U	6.41	Deleted
MW-367M2	10/9/2006	872,839	256,764	-39.15	0.25 U	5.90	Deleted
MW-367M2	4/11/2007	872,783	256,763	-37.86	0.25 U	5.39	Deleted
MW-367M2	9/28/2007	872,732	256,761	-36.48	0.25 U	4.93	Deleted
MW-368 (-118.57)	4/18/2005	871,089	258,754	-120.37	0.25 U	7.37	Deleted
MW-368 (-128.57)	4/19/2005	871,081	258,746	-129.77	0.25 U	7.37	Deleted
MW-368 (-164.57)	4/21/2005	871,020	258,679	-164.64	0.25 U	7.36	Deleted
MW-368 (-168.57)	4/21/2005	871,037	258,700	-168.66	0.25 U	7.36	Deleted
MW-368 (-178.57)	4/21/2005	871,051	258,719	-179.08	0.25 U	7.36	Deleted
MW-368M1	4/12/2007	871,326	259,092	-97.64	0.45	5.39	Deleted
MW-368M1	4/14/2008	871,192	258,912	-103.54	0.83	4.38	Deleted
MW-368M3	9/15/2009	871,313	259,039	-11.66	0.206 U	2.96	Deleted
MW-368M3	9/14/2010	871,191	258,896	-7.64	0.235 U	1.96	Deleted
MW-368M3	10/19/2011	871,087	258,769	2.61	0.274 U	0.87	Deleted
MW-368M3	8/27/2012	871,018	258,675	10.57	0.202 U	0.01	Deleted
MW-372 (52.56)	5/17/2005	874,430	262,318	-0.49	0.25 U	7.29	Deleted
MW-372 (42.56)	5/17/2005	874,422	262,299	-7.35	0.25 U	7.29	Deleted
MW-372 (32.56)	5/17/2005	874,414	262,276	-14.23	0.25 U	7.29	Deleted
MW-372 (22.56)	5/17/2005	874,405	262,251	-21.24	0.25 U	7.29	Deleted
MW-372 (12.56)	5/17/2005	874,394	262,222	-28.22	0.25 U	7.29	Deleted
MW-372 (2.56)	5/18/2005	874,381	262,189	-35.18	0.25 U	7.29	Deleted
MW-372 (-7.44)	5/18/2005	874,368	262,154	-42.30	0.25 U	7.29	Deleted
MW-372 (-17.44)	5/18/2005	874,354	262,119	-49.46	0.25 U	7.29	Deleted
MW-372 (-27.44)	5/18/2005	874,339	262,079	-56.73	0.25 U	7.29	Deleted
MW-372 (-37.44)	5/18/2005	874,319	262,028	-64.03	0.25 U	7.29	Deleted
MW-372 (-47.44)	5/18/2005	874,293	261,964	-71.47	0.25 U	7.29	Deleted
MW-372 (-57.44)	5/18/2005	874,264	261,892	-79.12	0.25 U	7.29	Deleted
MW-372 (-67.44)	5/18/2005	874,237	261,826	-86.78	0.25 U	7.29	Deleted
MW-372 (-77.44)	5/18/2005	874,209	261,760	-94.64	0.25 U	7.29	Deleted
MW-372 (-87.44)	5/19/2005	874,184	261,700	-102.60	0.25 U	7.29	Deleted
MW-372 (-97.44)	5/19/2005	874,159	261,642	-110.68	0.25 U	7.29	Deleted
MW-372 (-107.44)	5/19/2005	874,139	261,596	-118.94	0.25 U	7.29	Deleted
MW-372 (-117.44)	5/19/2005	874,117	261,547	-127.14	0.25 U	7.29	Deleted
MW-372 (-127.44)	5/19/2005	874,098	261,503	-135.53	0.25 U	7.29	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-372 (-137.44)	5/19/2005	874,080	261,461	-143.73	0.25 U	7.29	Deleted
MW-372D	7/18/2005	874,086	261,475	-139.54	0.25 U	7.12	Deleted
MW-372D	11/14/2005	874,071	261,442	-139.81	0.25 U	6.80	Deleted
MW-372D	3/14/2006	874,055	261,408	-139.48	0.25 U	6.47	Deleted
MW-372M1	7/18/2005	874,137	261,593	-116.30	0.25 U	7.12	Deleted
MW-372M1	11/14/2005	874,117	261,548	-116.68	0.25 U	6.80	Deleted
MW-372M1	3/14/2006	874,101	261,511	-116.32	0.25 U	6.47	Deleted
MW-372M1	4/6/2006	874,100	261,510	-115.37	0.25 U	6.41	Deleted
MW-372M1	4/9/2007	874,045	261,390	-114.79	0.25 U	5.40	Deleted
MW-372M1	9/19/2007	874,020	261,338	-114.20	0.25 U	4.95	Deleted
MW-372M1	4/9/2008	873,990	261,274	-113.30	0.25 U	4.40	Deleted
MW-372M1	10/31/2008	873,958	261,209	-112.41	0.25 U	3.83	Deleted
MW-372M1	9/2/2009	873,911	261,113	-111.01	0.213 U	3.00	Deleted
MW-372M1	9/16/2010	873,851	260,995	-109.24	0.206 U	1.96	Deleted
MW-372M1	8/15/2012	873,740	260,785	-105.66	0.203 U	0.05	Deleted
MW-381 (45.72)	6/23/2005	871,355	261,893	-6.55	0.25 U	7.19	Deleted
MW-381 (35.72)	6/23/2005	871,347	261,871	-14.37	0.25 U	7.19	Deleted
MW-381 (25.72)	6/23/2005	871,336	261,845	-22.20	0.25 U	7.19	Deleted
MW-381 (15.72)	6/24/2005	871,325	261,815	-29.97	0.25 U	7.19	Deleted
MW-381 (5.72)	6/24/2005	871,312	261,784	-37.86	0.25 U	7.19	Deleted
MW-381 (-4.28)	6/27/2005	871,299	261,748	-45.76	0.25 U	7.18	Deleted
MW-381 (-14.28)	6/27/2005	871,284	261,712	-53.75	0.25 U	7.18	Deleted
MW-381 (-24.28)	6/27/2005	871,266	261,663	-61.44	0.25 U	7.18	Deleted
MW-381 (-34.28)	6/27/2005	871,204	261,469	-69.13	0.25 U	7.18	Deleted
MW-381 (-44.28)	6/28/2005	871,171	261,260	-80.87	0.25 U	7.18	Deleted
MW-381 (-54.28)	6/28/2005	871,214	261,495	-77.01	0.25 U	7.18	Deleted
MW-381 (-64.28)	6/28/2005	871,190	261,434	-84.16	0.25 U	7.18	Deleted
MW-381 (-74.28)	6/28/2005	871,159	261,365	-91.05	0.25 U	7.18	Deleted
MW-381 (-84.28)	6/28/2005	871,135	261,308	-97.96	0.25 U	7.18	Deleted
MW-381 (-94.28)	6/29/2005	871,113	261,260	-104.61	0.25 U	7.17	Deleted
MW-381 (-104.28)	6/29/2005	871,095	261,222	-111.45	0.25 U	7.17	Deleted
MW-381 (-114.28)	6/29/2005	871,057	261,171	-117.98	0.25 U	7.17	Deleted
MW-381 (-124.28)	6/29/2005	870,606	260,406	-126.61	0.25 U	7.17	Deleted
MW-381 (-134.28)	6/29/2005	870,606	260,406	-135.46	0.25 U	7.17	Deleted
MW-381 (-144.28)	6/30/2005	870,577	260,370	-144.50	0.25 U	7.17	Deleted
MW-381M1	8/31/2005	871,195	261,428	-81.35	0.25 U	7.00	Deleted
MW-381M1	12/21/2005	871,189	261,374	-82.69	0.25 U	6.70	Deleted
MW-381M1	3/9/2006	871,182	261,331	-83.88	0.25 U	6.48	Deleted
MW-381M1	3/28/2006	871,179	261,316	-84.04	0.25 U	6.43	Deleted
MW-381M1	4/25/2006	871,173	261,295	-84.44	0.25 U	6.35	Deleted
MW-381M1	10/2/2006	871,158	261,213	-87.20	0.25 U	5.92	Deleted
MW-381M1	3/22/2007	871,122	261,140	-88.45	0.298 U	5.45	Deleted
MW-381M1	4/12/2007	871,116	261,127	-88.52	0.25 U	5.39	Deleted
MW-381M1	9/25/2007	871,075	261,055	-90.89	0.25 U	4.94	Deleted
MW-381M1	10/5/2007	871,073	261,051	-91.07	0.217 U	4.91	Deleted
MW-381M1	3/6/2008	871,025	260,978	-94.42	0.217 U	4.49	Deleted
MW-381M1	9/11/2008	870,968	260,890	-98.51	0.222 U	3.97	Deleted
MW-381M1	2/11/2009	870,932	260,832	-98.03	0.225 U	3.55	Deleted
MW-381M1	8/18/2009	870,885	260,761	-96.87	0.213 U	3.04	Deleted
MW-381M1	9/15/2010	870,778	260,614	-91.27	0.208 U	1.96	Deleted
MW-381M1	10/11/2011	870,662	260,473	-80.54	0.206 U	0.89	Deleted
MW-381M1	8/28/2012	870,575	260,368	-60.13	0.204 U	0.01	Deleted
MW-381M2	8/31/2005	871,269	261,638	-60.73	0.25 U	7.00	Deleted
MW-381M2	12/21/2005	871,255	261,528	-61.57	0.25 U	6.70	Deleted
MW-381M2	3/9/2006	871,177	261,325	-60.85	0.25 U	6.48	Deleted
MW-381M2	3/28/2006	871,201	261,356	-61.69	1	6.43	Deleted
MW-381M2	4/25/2006	871,206	261,344	-61.23	0.25 U	6.35	Deleted
MW-381M2	10/3/2006	871,242	261,298	-66.65	0.25 U	5.91	Deleted
MW-381M2	3/22/2007	871,216	261,241	-67.93	0.278 U	5.45	Deleted
MW-381M2	4/10/2007	871,213	261,234	-68.09	0.25 U	5.40	Deleted
MW-381M2	9/25/2007	871,116	261,101	-69.75	0.25 U	4.94	Deleted
MW-381M2	10/11/2007	871,092	261,060	-69.78	0.227 U	4.89	Deleted
MW-381M2	3/6/2008	871,065	261,047	-76.30	0.215 U	4.49	Deleted
MW-381M2	9/11/2008	870,972	260,966	-83.76	0.22 U	3.97	Deleted
MW-381M2	2/11/2009	870,934	260,901	-83.36	0.213 U	3.55	Deleted
MW-381M2	8/18/2009	870,885	260,820	-82.05	0.208 U	3.04	Deleted
MW-381M2	9/15/2010	870,769	260,649	-73.98	0.213 U	1.96	Deleted
MW-381M2	10/11/2011	870,637	260,482	-57.48	0.22 U	0.89	Deleted
MW-381M2	8/28/2012	870,575	260,369	-24.15	0.202 U	0.01	Deleted
MW-388 (40.91)	7/14/2005	869,998	259,321	2.96	0.25 U	7.13	Deleted
MW-388 (30.91)	7/14/2005	869,994	259,315	-2.82	0.25 U	7.13	Deleted
MW-388 (20.91)	7/14/2005	869,988	259,308	-8.42	0.25 U	7.13	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-388 (10.91)	7/14/2005	869,981	259,299	-14.23	0.25 U	7.13	Deleted
MW-388 (0.91)	7/14/2005	869,971	259,287	-20.05	0.39 U	7.13	Deleted
MW-388 (-9.09)	7/14/2005	869,961	259,274	-25.74	0.25 U	7.13	Deleted
MW-388 (-19.09)	7/15/2005	869,952	259,261	-31.70	0.25 U	7.13	Deleted
MW-388 (-29.09)	7/15/2005	869,940	259,247	-37.40	0.25 U	7.13	Deleted
MW-388 (-39.09)	7/15/2005	869,897	259,217	-44.74	0.25 U	7.13	Deleted
MW-388 (-49.09)	7/15/2005	869,887	259,206	-57.42	0.25 U	7.13	Deleted
MW-388 (-59.09)	7/18/2005	869,875	259,175	-67.86	0.25 U	7.12	Deleted
MW-388 (-69.09)	7/18/2005	869,868	259,149	-76.37	0.25 U	7.12	Deleted
MW-388 (-79.09)	7/18/2005	869,861	259,130	-84.33	0.25 U	7.12	Deleted
MW-388 (-89.09)	7/18/2005	869,848	259,100	-91.13	0.25 U	7.12	Deleted
MW-388 (-99.09)	7/18/2005	869,836	259,076	-98.64	0.25 U	7.12	Deleted
MW-388 (-109.09)	7/18/2005	869,825	259,059	-105.62	0.25 U	7.12	Deleted
MW-388 (-119.09)	7/19/2005	869,788	259,007	-118.12	0.25 U	7.12	Deleted
MW-388 (-129.09)	7/19/2005	869,631	258,747	-129.47	0.25 U	7.12	Deleted
MW-388 (-139.09)	7/19/2005	869,630	258,747	-139.46	0.25 U	7.12	Deleted
MW-388M1	9/1/2005	869,895	259,207	-45.34	0.25 U	7.00	Deleted
MW-388M1	12/29/2005	869,892	259,180	-46.23	0.25 U	6.67	Deleted
MW-388M1	4/3/2006	869,892	259,157	-46.48	0.25 U	6.41	Deleted
MW-388M1	5/1/2006	869,891	259,151	-47.15	0.25 U	6.34	Deleted
MW-388M1	4/12/2007	869,877	259,069	-48.67	0.25 U	5.39	Deleted
MW-388M1	5/1/2008	869,855	258,986	-48.12	0.25 U	4.34	Deleted
MW-388M1	9/17/2009	869,785	258,903	-46.33	0.202 U	2.96	Deleted
MW-388M1	9/15/2010	869,728	258,845	-44.51	0.208 U	1.96	Deleted
MW-388M1	10/20/2011	869,665	258,779	-41.99	0.234 U	0.87	Deleted
MW-388M1	8/7/2012	869,620	258,730	-39.47	0.205 U	0.07	Deleted
MW-388M2	9/1/2005	869,956	259,260	-25.64	0.35	7.00	Deleted
MW-388M2	12/29/2005	869,944	259,226	-24.55	0.4	6.67	Deleted
MW-388M2	4/3/2006	869,934	259,199	-24.12	0.39	6.41	Deleted
MW-388M2	5/1/2006	869,931	259,191	-23.85	0.31	6.34	Deleted
MW-388M2	4/12/2007	869,902	259,098	-24.18	0.34	5.39	Deleted
MW-388M2	5/1/2008	869,876	259,006	-23.73	0.25 U	4.34	Deleted
MW-388M2	9/17/2009	869,799	258,917	-20.55	0.213 U	2.96	Deleted
MW-388M2	9/15/2010	869,738	258,854	-17.36	0.222 U	1.96	Deleted
MW-388M2	10/20/2011	869,670	258,784	-12.88	0.227 U	0.87	Deleted
MW-388M2	8/7/2012	869,621	258,731	-9.19	0.204 U	0.07	Deleted
MW-388M3	9/1/2005	869,996	259,312	8.73	0.25 U	7.00	Deleted
MW-388M3	12/29/2005	869,984	259,275	10.46	0.25 U	6.67	Deleted
MW-388M3	5/1/2006	869,971	259,237	12.11	0.25 U	6.34	Deleted
MW-393 (53.51)	8/22/2005	872,801	262,175	0.60	0.67 U	7.03	Deleted
MW-393 (43.51)	8/22/2005	872,793	262,156	-6.98	1.1 U	7.03	Deleted
MW-393 (33.51)	8/22/2005	872,785	262,133	-14.61	0.79 U	7.03	Deleted
MW-393 (23.51)	8/22/2005	872,774	262,106	-22.31	0.48 U	7.03	Deleted
MW-393 (13.51)	8/22/2005	872,763	262,077	-30.08	0.44 U	7.03	Deleted
MW-393 (3.51)	8/22/2005	872,750	262,043	-37.98	0.35 U	7.03	Deleted
MW-393 (-6.49)	8/22/2005	872,736	262,007	-46.00	0.41 U	7.03	Deleted
MW-393 (-16.49)	8/22/2005	872,721	261,967	-54.06	0.7 U	7.03	Deleted
MW-393 (-26.49)	8/23/2005	872,703	261,918	-62.16	0.25 U	7.02	Deleted
MW-393 (-36.49)	8/23/2005	872,680	261,859	-70.61	0.25 U	7.02	Deleted
MW-393 (-46.49)	8/23/2005	872,655	261,791	-79.03	0.73 J	7.02	Deleted
MW-393 (-56.49)	8/23/2005	872,626	261,718	-87.43	0.25 U	7.02	Deleted
MW-393 (-76.49)	9/2/2005	872,568	261,576	-105.04	0.25 U	7.00	Deleted
MW-393 (-86.49)	9/2/2005	872,543	261,513	-113.69	1.6 U	7.00	Deleted
MW-393 (-96.49)	9/2/2005	872,519	261,454	-122.14	0.25 U	7.00	Deleted
MW-393 (-106.49)	9/2/2005	872,497	261,397	-130.15	0.25 U	7.00	Deleted
MW-393 (-116.49)	9/2/2005	872,476	261,342	-137.40	0.25 U	7.00	Deleted
MW-393 (-126.49)	9/6/2005	872,455	261,290	-144.48	0.25 U	6.99	Deleted
MW-393 (-136.49)	9/6/2005	872,437	261,246	-151.60	0.25 U	6.99	Deleted
MW-393 (-146.49)	9/6/2005	872,392	261,148	-158.56	0.6 U	6.99	Deleted
MW-393 (-166.49)	9/6/2005	872,199	260,756	-166.13	0.72 U	6.99	Deleted
MW-393D	10/26/2005	872,199	260,755	-160.49	0.25 U	6.85	Deleted
MW-393D	2/23/2006	872,197	260,753	-160.39	0.25 U	6.52	Deleted
MW-393D	6/22/2006	872,196	260,750	-160.29	0.25 U	6.19	Deleted
MW-393M1	10/26/2005	872,465	261,314	-137.70	0.25 U	6.85	Deleted
MW-393M1	2/23/2006	872,441	261,242	-138.66	0.25 U	6.52	Deleted
MW-393M1	3/29/2006	872,433	261,218	-139.23	0.25 U	6.43	Deleted
MW-393M1	6/22/2006	872,409	261,140	-140.69	0.25 U	6.19	Deleted
MW-393M1	8/30/2012	872,158	260,716	-116.55	0.204 UJ	0.00	Deleted
MW-393M2	4/9/2007	872,418	261,119	-120.96	0.75	5.40	Deleted
MW-393M2	8/30/2012	872,156	260,717	-67.66	0.202 UJ	0.00	Deleted
MW-399 (54.61)	9/28/2005	873,105	265,602	1.65	1.1 U	6.93	Deleted
MW-399 (44.61)	9/28/2005	873,098	265,574	-5.28	0.25 U	6.93	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-399 (34.61)	9/28/2005	873,091	265,543	-12.29	0.59 U	6.93	Deleted
MW-399 (24.61)	9/28/2005	873,082	265,507	-19.34	0.25 U	6.93	Deleted
MW-399 (14.61)	9/28/2005	873,072	265,464	-26.45	1.5 U	6.93	Deleted
MW-399 (4.61)	9/28/2005	873,060	265,416	-33.54	0.25 U	6.93	Deleted
MW-399 (-5.39)	9/28/2005	873,047	265,363	-40.63	0.25 U	6.93	Deleted
MW-399 (-15.39)	9/28/2005	873,034	265,310	-47.81	0.25 U	6.93	Deleted
MW-399 (-25.39)	9/29/2005	873,019	265,251	-54.96	0.25 U	6.92	Deleted
MW-399 (-35.39)	9/29/2005	873,002	265,186	-62.18	0.25 U	6.92	Deleted
MW-399 (-45.39)	9/29/2005	872,979	265,095	-69.43	0.25 U	6.92	Deleted
MW-399 (-55.39)	9/29/2005	872,952	264,987	-76.71	0.25 U	6.92	Deleted
MW-399 (-65.39)	9/29/2005	872,925	264,881	-83.98	0.25 U	6.92	Deleted
MW-399 (-75.39)	9/29/2005	872,896	264,773	-91.07	1.1	6.92	Deleted
MW-399 (-85.39)	9/29/2005	872,871	264,678	-98.62	0.49 J	6.92	Deleted
MW-399 (-95.39)	9/29/2005	872,850	264,595	-106.08	0.36 U	6.92	Deleted
MW-399 (-105.39)	9/30/2005	872,829	264,517	-113.82	0.25 U	6.92	Deleted
MW-399 (-115.39)	9/30/2005	872,813	264,454	-121.71	0.25 U	6.92	Deleted
MW-399 (-125.39)	9/30/2005	872,794	264,375	-129.72	0.25 U	6.92	Deleted
MW-399 (-135.39)	9/30/2005	872,782	264,330	-138.10	0.25 U	6.92	Deleted
MW-399 (-145.39)	9/30/2005	872,766	264,261	-147.47	0.25 U	6.92	Deleted
MW-399 (-155.39)	10/3/2005	872,749	264,198	-158.33	0.25 U	6.91	Deleted
MW-399M1	11/2/2005	872,886	264,733	-92.28	0.54	6.83	Deleted
MW-399M1	3/6/2006	872,863	264,648	-92.43	0.45	6.49	Deleted
MW-399M1	7/6/2006	872,841	264,571	-91.60	0.44	6.16	Deleted
MW-399M1	10/11/2006	872,824	264,510	-90.92	0.86	5.89	Deleted
MW-399M1	4/10/2007	872,794	264,395	-90.00	1.2	5.40	Deleted
MW-399M1	9/24/2007	872,766	264,290	-89.38	1	4.94	Deleted
MW-399M1	4/10/2008	872,732	264,168	-88.57	0.52	4.39	Deleted
MW-399M1	10/31/2008	872,698	264,044	-87.80	0.33	3.83	Deleted
MW-399M1	9/2/2009	872,646	263,861	-85.99	0.335	3.00	Deleted
MW-399M1	9/14/2010	872,582	263,640	-83.53	0.21	1.96	Deleted
MW-399M1	10/18/2011	872,512	263,404	-80.89	0.227 U	0.87	Deleted
MW-399M1	8/29/2012	872,457	263,222	-78.62	0.202 U	0.01	Deleted
MW-399M2	11/2/2005	873,082	265,508	-11.74	0.25 U	6.83	Deleted
MW-399M2	3/6/2006	873,050	265,384	-9.65	0.25 U	6.49	Deleted
MW-399M2	7/6/2006	873,019	265,264	-7.54	0.25 U	6.16	Deleted
MW-436 (54.01)	3/27/2006	873,373	264,180	5.56	0.25 U	6.43	Deleted
MW-436 (47.01)	3/27/2006	873,368	264,165	0.50	0.25 U	6.43	Deleted
MW-436 (37.01)	3/27/2006	873,361	264,142	-6.69	0.25 U	6.43	Deleted
MW-436 (27.01)	3/27/2006	873,353	264,115	-13.96	0.25 U	6.43	Deleted
MW-436 (17.01)	3/27/2006	873,344	264,084	-21.25	0.25 U	6.43	Deleted
MW-436 (7.01)	3/28/2006	873,332	264,046	-28.59	0.25 U	6.43	Deleted
MW-436 (-2.99)	3/28/2006	873,320	264,004	-35.89	0.25 U	6.43	Deleted
MW-436 (-12.99)	3/28/2006	873,306	263,960	-43.36	0.25 U	6.43	Deleted
MW-436 (-22.99)	3/28/2006	873,294	263,919	-50.87	0.25 U	6.43	Deleted
MW-436 (-32.99)	3/28/2006	873,278	263,868	-58.41	0.25 U	6.43	Deleted
MW-436 (-42.99)	3/28/2006	873,258	263,803	-66.01	0.25 U	6.43	Deleted
MW-436 (-52.99)	3/28/2006	873,232	263,716	-73.63	0.25 U	6.43	Deleted
MW-436 (-62.99)	3/28/2006	873,205	263,629	-81.39	0.25 U	6.43	Deleted
MW-436 (-72.99)	3/29/2006	873,179	263,547	-89.18	0.25 U	6.43	Deleted
MW-436 (-82.99)	3/29/2006	873,155	263,469	-97.12	0.25 U	6.43	Deleted
MW-436 (-92.99)	3/29/2006	873,133	263,400	-105.18	0.25 U	6.43	Deleted
MW-436 (-102.99)	3/29/2006	873,114	263,339	-113.29	0.25 U	6.43	Deleted
MW-436 (-112.99)	3/29/2006	873,095	263,280	-121.51	0.25 U	6.43	Deleted
MW-436 (-122.99)	3/29/2006	873,078	263,225	-129.81	0.25 U	6.43	Deleted
MW-436 (-132.99)	3/29/2006	873,061	263,175	-138.14	0.25 U	6.43	Deleted
MW-436 (-142.99)	3/30/2006	873,044	263,123	-146.60	0.25 U	6.42	Deleted
MW-436 (-152.99)	3/30/2006	873,029	263,074	-155.07	0.25 U	6.42	Deleted
MW-436 (-162.99)	3/30/2006	873,013	263,028	-163.63	0.25 U	6.42	Deleted
MW-436 (-167.99)	3/31/2006	873,013	263,028	-167.95	0.25 U	6.42	Deleted
MW-436M1 (-168.46)	4/19/2006	873,011	263,022	-168.35	0.25 U	6.37	Deleted
MW-436M1 (-123.46)	8/15/2006	873,058	263,166	-129.78	0.25 U	6.05	Deleted
MW-436M1	12/13/2006	873,041	263,116	-129.43	0.25 U	5.72	Deleted
MW-436M2	4/19/2006	873,199	263,612	-81.55	0.25 U	6.37	Deleted
MW-436M2	8/15/2006	873,177	263,543	-80.69	0.25 U	6.05	Deleted
MW-436M2	12/13/2006	873,155	263,473	-79.80	0.25 U	5.72	Deleted
MW-436M2	4/13/2007	873,133	263,403	-78.93	0.25 U	5.39	Deleted
MW-436M2	9/25/2007	873,102	263,305	-77.73	0.25 U	4.94	Deleted
MW-436M2	4/14/2008	873,064	263,188	-75.81	0.25 U	4.38	Deleted
MW-436M2	11/4/2008	873,025	263,066	-74.69	0.25 U	3.82	Deleted
MW-436M2 (-62.99)	2/19/2009	873,006	263,008	-73.42	0.222 U	3.53	Deleted
MW-436M2 (-112.99)	9/2/2009	872,914	262,735	-116.93	0.21 U	3.00	Deleted
MW-436M2 (-62.99)	3/8/2010	872,934	262,792	-70.42	0.21 U	2.48	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-436M2	10/5/2010	872,893	262,672	-68.74	0.207 U	1.91	Deleted
MW-436M2	3/16/2011	872,862	262,581	-67.90	0.206 U	1.46	Deleted
MW-436M2	10/6/2011	872,823	262,470	-66.25	0.222 U	0.91	Deleted
MW-436M2	2/28/2012	872,796	262,392	-65.07	0.225 U	0.51	Deleted
MW-436M2	8/16/2012	872,762	262,300	-63.64	0.244	0.04	Deleted
MW-48 (40.53)	10/8/1999	872,576	273,411	-1.25	0.25 U	12.90	Deleted
MW-48 (30.53)	10/8/1999	872,760	273,321	-23.65	0.25 U	12.90	Deleted
MW-48 (20.53)	10/8/1999	872,854	273,217	-36.76	0.25 U	12.90	Deleted
MW-48 (10.53)	10/8/1999	872,913	273,114	-48.45	0.25 U	12.90	Deleted
MW-48 (0.53)	10/8/1999	872,958	273,003	-59.14	0.25 U	12.90	Deleted
MW-48 (-9.47)	10/12/1999	872,981	272,880	-67.01	0.25 U	12.89	Deleted
MW-48 (-19.47)	10/12/1999	873,000	272,766	-75.19	0.25 U	12.89	Deleted
MW-48 (-29.47)	10/12/1999	873,010	272,654	-82.32	0.25 U	12.89	Deleted
MW-48 (-39.47)	10/12/1999	873,015	272,533	-89.15	0.25 U	12.89	Deleted
MW-48 (-49.47)	10/12/1999	873,018	272,400	-96.01	0.25 U	12.89	Deleted
MW-48 (-59.47)	10/13/1999	873,011	272,254	-101.98	0.25 U	12.89	Deleted
MW-48 (-69.47)	10/13/1999	873,002	272,091	-107.93	0.25 U	12.89	Deleted
MW-48 (-79.47)	10/13/1999	872,985	271,897	-113.50	0.25 U	12.89	Deleted
MW-48 (-89.47)	10/13/1999	872,960	271,670	-118.90	0.25 U	12.89	Deleted
MW-48 (-99.47)	10/13/1999	872,935	271,473	-124.32	0.25 U	12.89	Deleted
MW-48 (-109.47)	10/13/1999	872,910	271,300	-129.37	0.25 U	12.89	Deleted
MW-48 (-119.47)	10/14/1999	872,878	271,090	-134.94	0.25 U	12.88	Deleted
MW-48 (-129.47)	10/14/1999	872,851	270,919	-140.28	0.25 U	12.88	Deleted
MW-48 (-139.47)	10/14/1999	872,825	270,769	-146.70	0.25 U	12.88	Deleted
MW-48 (-149.47)	10/14/1999	872,761	270,354	-152.64	0.25 U	12.88	Deleted
MW-48 (-159.47)	10/14/1999	872,267	267,075	-162.42	0.25 U	12.88	Deleted
MW-48 (-169.47)	10/15/1999	872,278	267,095	-171.85	0.25 U	12.88	Deleted
MW-48D	11/23/1999	873,003	272,113	-104.13	0.25 U	12.77	Deleted
MW-48D	2/29/2000	872,987	271,940	-103.88	0.25 U	12.51	Deleted
MW-48D	6/26/2000	872,966	271,739	-103.43	0.25 U	12.18	Deleted
MW-48D	3/25/2004	872,655	269,813	-95.09	0.25 U	8.44	Deleted
MW-48M1	11/23/1999	873,012	272,523	-85.23	0.25 U	12.77	Deleted
MW-48M1	2/29/2000	873,011	272,330	-85.69	0.25 U	12.51	Deleted
MW-48M1	6/22/2000	873,000	272,112	-85.82	0.25 U	12.19	Deleted
MW-48M1	3/24/2004	872,689	270,017	-73.16	0.25 U	8.44	Deleted
MW-48M2	11/23/1999	872,978	272,865	-63.22	0.25 U	12.77	Deleted
MW-48M2	2/28/2000	873,001	272,657	-65.91	0.25 U	12.51	Deleted
MW-48M2	6/22/2000	873,009	272,415	-67.66	0.25 U	12.19	Deleted
MW-48M2	3/25/2004	872,714	270,164	-51.44	0.25 U	8.44	Deleted
MW-48M3	11/19/1999	872,845	273,196	-33.75	0.25 U	12.78	Deleted
MW-48M3	2/28/2000	872,938	272,965	-43.43	0.25 UJ	12.51	Deleted
MW-48M3	6/22/2000	872,985	272,702	-48.98	0.25 U	12.19	Deleted
MW-48M3	3/25/2004	872,729	270,295	-30.12	0.25 U	8.44	Deleted
MW-48S	3/21/2000	872,681	273,293	-6.66	0.25 U	12.45	Deleted
MW-48S	6/26/2000	872,873	273,072	-24.28	0.25 U	12.18	Deleted
MW-48S	3/25/2004	872,761	270,462	-10.05	0.25 U	8.44	Deleted
MW-49 (60.61)	10/6/1999	873,095	273,618	-30.23	0.25 U	12.91	Deleted
MW-49 (50.61)	10/6/1999	873,142	273,538	-35.94	0.25 U	12.91	Deleted
MW-49 (40.61)	10/7/1999	873,184	273,448	-43.22	0.25 U	12.90	Deleted
MW-49 (30.61)	10/7/1999	873,220	273,359	-50.35	0.25 U	12.90	Deleted
MW-49 (20.61)	10/7/1999	873,249	273,272	-56.72	0.25 U	12.90	Deleted
MW-49 (10.61)	10/7/1999	873,272	273,183	-63.67	0.25 U	12.90	Deleted
MW-49 (0.61)	10/7/1999	873,293	273,084	-70.72	0.25 U	12.90	Deleted
MW-49 (-9.39)	10/8/1999	873,310	272,976	-77.19	0.25 U	12.90	Deleted
MW-49 (-19.39)	10/8/1999	873,321	272,867	-83.79	0.25 U	12.90	Deleted
MW-49 (-29.39)	10/8/1999	873,332	272,753	-90.17	0.25 U	12.90	Deleted
MW-49 (-39.39)	10/8/1999	873,336	272,636	-96.16	0.25 U	12.90	Deleted
MW-49 (-49.39)	10/8/1999	873,338	272,496	-102.13	0.25 U	12.90	Deleted
MW-49 (-59.39)	10/12/1999	873,336	272,303	-107.94	0.25 U	12.89	Deleted
MW-49 (-69.39)	10/12/1999	873,328	272,100	-113.32	0.25 U	12.89	Deleted
MW-49 (-79.39)	10/12/1999	873,309	271,867	-118.39	0.25 U	12.89	Deleted
MW-49 (-89.39)	10/12/1999	873,288	271,662	-123.55	0.25 U	12.89	Deleted
MW-49 (-99.39)	10/12/1999	873,263	271,450	-128.54	0.25 U	12.89	Deleted
MW-49 (-109.39)	10/13/1999	873,239	271,274	-133.09	0.25 U	12.89	Deleted
MW-49 (-119.39)	10/13/1999	873,214	271,110	-138.10	0.25 U	12.89	Deleted
MW-49 (-129.39)	10/13/1999	873,187	270,935	-142.33	0.25 U	12.89	Deleted
MW-49 (-139.39)	10/13/1999	873,161	270,766	-147.10	0.25 U	12.89	Deleted
MW-49 (-149.39)	10/13/1999	873,111	270,365	-151.52	0.25 U	12.89	Deleted
MW-49 (-159.39)	10/13/1999	872,594	266,970	-161.48	0.25 U	12.89	Deleted
MW-49 (-169.39)	10/13/1999	872,594	266,981	-170.96	0.25 U	12.89	Deleted
MW-49 (-176.39)	10/14/1999	872,594	266,981	-177.26	0.25 U	12.88	Deleted
MW-49D	11/22/1999	873,328	272,276	-106.49	0.25 U	12.78	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-49D	3/1/2000	873,323	272,102	-106.29	0.25 UJ	12.50	Deleted
MW-49D	6/26/2000	873,310	271,904	-105.76	0.25 U	12.18	Deleted
MW-49D	3/25/2004	873,039	269,941	-97.67	0.25 U	8.44	Deleted
MW-49M1	11/22/1999	873,331	272,633	-91.77	0.25 U	12.78	Deleted
MW-49M1	2/29/2000	873,335	272,451	-91.90	0.25 U	12.51	Deleted
MW-49M1	6/23/2000	873,333	272,242	-91.51	0.25 U	12.19	Deleted
MW-49M1	3/25/2004	873,078	270,137	-79.91	0.25 U	8.44	Deleted
MW-49M2	11/22/1999	873,302	272,969	-72.71	0.25 U	12.78	Deleted
MW-49M2	3/2/2000	873,323	272,775	-73.74	0.25 U	12.50	Deleted
MW-49M2	6/27/2000	873,336	272,551	-73.62	0.25 U	12.18	Deleted
MW-49M2	3/25/2004	873,116	270,312	-58.27	0.25 U	8.44	Deleted
MW-49M3	11/19/1999	873,249	273,253	-52.94	0.25 U	12.78	Deleted
MW-49M3	3/1/2000	873,293	273,057	-55.16	0.25 UJ	12.50	Deleted
MW-49M3	6/27/2000	873,326	272,826	-55.72	0.25 U	12.18	Deleted
MW-49M3	3/25/2004	873,157	270,460	-36.66	0.25 U	8.44	Deleted
MW-49S	11/19/1999	873,138	273,531	-31.92	0.25 U	12.78	Deleted
MW-49S	3/1/2000	873,211	273,346	-35.30	0.25 UJ	12.50	Deleted
MW-49S	6/27/2000	873,275	273,120	-36.90	0.25 U	12.18	Deleted
MW-49S	3/25/2004	873,195	270,622	-15.02	0.25 U	8.44	Deleted
MW-57 (66.39)	10/29/1999	874,921	258,684	-29.15	0.25 U	12.84	Deleted
MW-57 (56.39)	10/29/1999	874,902	258,675	-33.64	0.25 U	12.84	Deleted
MW-57 (44.39)	11/1/1999	874,882	258,658	-38.26	0.25 U	12.83	Deleted
MW-57 (34.39)	11/1/1999	874,863	258,642	-42.66	0.25 U	12.83	Deleted
MW-57 (24.39)	11/1/1999	874,839	258,624	-47.66	0.25 U	12.83	Deleted
MW-57 (14.39)	11/1/1999	874,812	258,606	-53.34	0.25 U	12.83	Deleted
MW-57 (4.39)	11/1/1999	874,777	258,586	-59.45	0.25 U	12.83	Deleted
MW-57 (-5.61)	11/1/1999	874,738	258,567	-65.96	0.25 U	12.83	Deleted
MW-57 (-15.61)	11/2/1999	874,691	258,546	-72.50	0.25 U	12.83	Deleted
MW-57 (-25.61)	11/2/1999	874,645	258,531	-79.14	0.25 U	12.83	Deleted
MW-57 (-35.61)	11/2/1999	874,592	258,516	-84.61	0.25 U	12.83	Deleted
MW-57 (-45.61)	11/2/1999	874,536	258,500	-88.55	0.25 U	12.83	Deleted
MW-57 (-55.61)	11/2/1999	874,480	258,477	-91.63	0.25 U	12.83	Deleted
MW-57 (-65.61)	11/3/1999	874,428	258,454	-94.83	0.25 U	12.83	Deleted
MW-57 (-75.61)	11/3/1999	874,375	258,429	-98.14	0.25 U	12.83	Deleted
MW-57 (-85.61)	11/3/1999	874,334	258,408	-101.68	0.25 U	12.83	Deleted
MW-57 (-95.61)	11/3/1999	874,293	258,387	-105.04	0.25 U	12.83	Deleted
MW-57 (-105.61)	11/3/1999	874,257	258,353	-108.27	0.25 U	12.83	Deleted
MW-57 (-115.61)	11/3/1999	873,373	257,925	-119.59	0.25 U	12.83	Deleted
MW-57 (-125.61)	11/4/1999	873,368	257,932	-129.95	0.25 U	12.83	Deleted
MW-57 (-135.61)	11/4/1999	873,363	257,932	-139.35	0.25 U	12.83	Deleted
MW-57 (-145.61)	11/4/1999	873,353	257,931	-148.68	0.25 U	12.83	Deleted
MW-57 (-155.61)	11/5/1999	873,345	257,931	-158.40	0.25 U	12.82	Deleted
MW-57 (-162.61)	11/5/1999	873,343	257,932	-165.28	0.25 U	12.82	Deleted
MW-57D	12/13/1999	874,441	258,458	-93.12	0.25 U	12.72	Deleted
MW-57D	3/7/2000	874,424	258,444	-92.53	0.25 U	12.49	Deleted
MW-57D	7/6/2000	874,398	258,425	-91.86	0.25 U	12.15	Deleted
MW-57D	8/30/2000	874,386	258,416	-91.45	0.25 U	12.00	Deleted
MW-57D	8/7/2001	874,309	258,364	-89.37	0.25 U	11.07	Deleted
MW-57D	10/3/2002	874,216	258,305	-86.41	0.25 U	9.91	Deleted
MW-57D	9/26/2003	874,135	258,256	-84.28	0.25 U	8.93	Deleted
MW-57D	9/14/2004	874,055	258,208	-82.10	0.25 U	7.96	Deleted
MW-57D	10/18/2005	873,964	258,154	-79.62	0.25 U	6.87	Deleted
MW-57D	10/10/2006	873,880	258,105	-77.24	0.25 U	5.89	Deleted
MW-57D	4/17/2007	873,835	258,079	-76.15	0.25 U	5.38	Deleted
MW-57D	9/28/2007	873,795	258,056	-75.14	0.25 U	4.93	Deleted
MW-57D	4/28/2008	873,744	258,025	-74.00	0.25 U	4.34	Deleted
MW-57D	11/4/2008	873,692	258,004	-72.78	0.25 U	3.82	Deleted
MW-57D	1/19/2009	873,670	257,997	-72.36	0.213 U	3.62	Deleted
MW-57D	9/4/2009	873,603	257,977	-70.86	0.208 U	2.99	Deleted
MW-57D	9/30/2010	873,488	257,944	-67.65	0.202 U	1.92	Deleted
MW-57D	10/6/2011	873,380	257,916	-64.53	0.25 U	0.91	Deleted
MW-57D	8/22/2012	873,285	257,896	-61.38	0.204 U	0.03	Deleted
MW-57M1	12/14/1999	874,584	258,508	-83.97	0.25 U	12.72	Deleted
MW-57M1	3/7/2000	874,565	258,494	-83.11	0.25 U	12.49	Deleted
MW-57M1	7/5/2000	874,537	258,474	-81.76	0.25 U	12.16	Deleted
MW-57M1	8/29/2000	874,524	258,465	-81.19	0.25 U	12.01	Deleted
MW-57M1	8/8/2001	874,442	258,411	-76.76	0.25 U	11.07	Deleted
MW-57M1	10/3/2002	874,339	258,347	-72.59	0.25 U	9.91	Deleted
MW-57M1	9/26/2003	874,248	258,295	-68.95	0.25 U	8.93	Deleted
MW-57M1	9/14/2004	874,160	258,244	-65.85	0.25 U	7.96	Deleted
MW-57M1	10/18/2005	874,056	258,184	-62.46	0.25 U	6.87	Deleted
MW-57M2	12/21/1999	874,760	258,580	-59.66	0.25 U	12.70	Deleted

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-57M2	3/22/2000	874,739	258,564	-58.50	0.25 U	12.45	Deleted
MW-57M2	6/30/2000	874,712	258,544	-57.26	0.25 U	12.17	Deleted
MW-57M2	8/29/2000	874,694	258,533	-56.42	0.25 U	12.01	Deleted
MW-57M2	8/8/2001	874,594	258,469	-51.68	0.25 U	11.07	Deleted
MW-57M2	10/4/2002	874,468	258,398	-46.13	0.25 U	9.91	Deleted
MW-57M2	9/26/2003	874,361	258,338	-41.93	0.25 U	8.93	Deleted
MW-57M2	9/14/2004	874,255	258,281	-38.01	0.25 U	7.96	Deleted
MW-57M2	10/18/2005	874,138	258,215	-33.59	0.25 U	6.87	Deleted
MW-57M3	12/13/1999	874,848	258,632	-41.50	0.25 U	12.72	Deleted
MW-57M3	3/9/2000	874,823	258,612	-39.96	0.25 U	12.48	Deleted
MW-57M3	6/30/2000	874,789	258,587	-38.05	0.25 U	12.17	Deleted
MW-57M3	8/30/2000	874,771	258,574	-37.09	0.25 U	12.00	Deleted
MW-57M3	8/8/2001	874,665	258,504	-30.88	0.25 U	11.07	Deleted
MW-57M3	10/7/2002	874,530	258,424	-24.58	0.25 U	9.90	Deleted
MW-57M3	9/26/2003	874,418	258,362	-20.16	0.25 U	8.93	Deleted
MW-57M3	9/15/2004	874,305	258,299	-15.72	0.25 U	7.96	Deleted
MW-57M3	10/18/2005	874,181	258,228	-10.72	0.25 U	6.87	Deleted
MW-57S	12/21/1999	874,907	258,672	-27.89	0.25 U	12.70	Deleted
MW-57S	3/22/2000	874,882	258,649	-25.27	0.25 U	12.45	Deleted
MW-57S	6/29/2000	874,852	258,625	-22.58	0.25 U	12.17	Deleted
MW-57S	8/30/2000	874,832	258,611	-21.12	0.25 U	12.00	Deleted
MW-57S	8/8/2001	874,721	258,537	-13.27	0.25 U	11.07	Deleted
MW-57S	11/21/2003	874,443	258,373	0.40	0.25 U	8.78	Deleted
MW-57S	9/14/2004	874,345	258,317	4.90	0.25 U	7.96	Deleted
MW-57S	10/18/2005	874,214	258,241	11.16	0.25 U	6.87	Deleted
SMR-2	3/25/1999	869,293	258,561	-32.21	0.25 U	13.44	Deleted
SMR-2	10/6/1999	869,276	258,523	-30.17	0.25 U	12.91	Deleted
SMR-2	1/17/2000	869,266	258,502	-28.84	0.25 U	12.62	Deleted
90WT0014	5/13/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
C3-B (-49.32)	4/13/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
C3-B (-69.32)	9/20/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
C3-B (-59.32)	9/20/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
C3-B (-49.32)	9/21/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
C3-B (-39.32)	9/21/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
C3-B (-29.32)	9/21/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
C3-C (-108.30)	9/22/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
DP-382 (65.50)	6/21/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
DP-382 (55.50)	6/22/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
DP-382 (45.50)	6/22/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
DP-382 (35.50)	6/22/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
DP-382 (25.50)	6/22/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
DP-382 (15.50)	6/22/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
DP-382 (5.50)	6/23/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
DP-382 (-4.50)	6/23/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
J2MW-01 (23.18)	2/20/2008	N/A	N/A	N/A	0.213 U	N/A	Predicted Extraction/Removal
J2MW-01 (13.18)	2/20/2008	N/A	N/A	N/A	0.213 U	N/A	Predicted Extraction/Removal
J2MW-01 (3.18)	2/20/2008	N/A	N/A	N/A	0.222 U	N/A	Predicted Extraction/Removal
J2MW-01 (-6.82)	2/21/2008	N/A	N/A	N/A	0.22 U	N/A	Predicted Extraction/Removal
J2MW-01 (-36.82)	2/21/2008	N/A	N/A	N/A	3.62	N/A	Predicted Extraction/Removal
J2MW-01 (-36.82)	2/21/2008	N/A	N/A	N/A	3.62	N/A	Predicted Extraction/Removal
J2MW-01 (-16.82)	2/21/2008	N/A	N/A	N/A	0.217 U	N/A	Predicted Extraction/Removal
J2MW-01 (-26.82)	2/21/2008	N/A	N/A	N/A	0.222 U	N/A	Predicted Extraction/Removal
J2MW-01 (-46.82)	2/22/2008	N/A	N/A	N/A	3.8	N/A	Predicted Extraction/Removal
J2MW-01 (-56.82)	2/25/2008	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
J2MW-01 (-66.82)	2/25/2008	N/A	N/A	N/A	0 R	N/A	Predicted Extraction/Removal
J2MW-01 (-66.82)	2/25/2008	N/A	N/A	N/A	0 R	N/A	Predicted Extraction/Removal
J2MW-01 (-76.82)	2/26/2008	N/A	N/A	N/A	0 R	N/A	Predicted Extraction/Removal
J2MW-01 (-76.82)	2/26/2008	N/A	N/A	N/A	0 R	N/A	Predicted Extraction/Removal
J2MW-01 (-86.82)	2/26/2008	N/A	N/A	N/A	0 R	N/A	Predicted Extraction/Removal
J2MW-01 (-86.82)	2/26/2008	N/A	N/A	N/A	0 R	N/A	Predicted Extraction/Removal
J2MW-01 (-96.82)	2/27/2008	N/A	N/A	N/A	0.222 UJ	N/A	Predicted Extraction/Removal
J2MW-01 (-96.82)	2/27/2008	N/A	N/A	N/A	0.222 UJ	N/A	Predicted Extraction/Removal
J2MW-01 (-106.82)	2/27/2008	N/A	N/A	N/A	0.213 UJ	N/A	Predicted Extraction/Removal
J2MW-01 (-116.82)	2/28/2008	N/A	N/A	N/A	0.232 U	N/A	Predicted Extraction/Removal
J2MW-01 (-126.82)	2/28/2008	N/A	N/A	N/A	0.217 U	N/A	Predicted Extraction/Removal
J2MW-01M1	9/10/2009	N/A	N/A	N/A	0.227 U	N/A	Predicted Extraction/Removal
J2MW-01M1	9/15/2010	N/A	N/A	N/A	0.206 U	N/A	Predicted Extraction/Removal
J2MW-01M1	10/12/2011	N/A	N/A	N/A	0.217 U	N/A	Predicted Extraction/Removal
J2MW-01M2	9/10/2009	N/A	N/A	N/A	1.87	N/A	Predicted Extraction/Removal
J2MW-01M2	9/15/2010	N/A	N/A	N/A	2.97	N/A	Predicted Extraction/Removal
J2MW-01M2	10/13/2011	N/A	N/A	N/A	1.09	N/A	Predicted Extraction/Removal
J2MW-01M2	8/28/2012	N/A	N/A	N/A	1.2	N/A	Predicted Extraction/Removal

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
J2MW-04 (60.65)	5/28/2008	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
J2MW-04 (50.65)	5/28/2008	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
J2MW-04 (42.15)	5/28/2008	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
J2MW-04 (32.15)	5/28/2008	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
J2MW-04 (22.15)	5/28/2008	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
J2MW-04 (12.15)	5/28/2008	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
J2MW-04 (2.15)	5/28/2008	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
J2MW-04 (-7.85)	5/29/2008	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
J2MW-04 (-17.85)	5/29/2008	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
J2MW-04 (-27.85)	5/29/2008	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
J2MW-04 (-37.85)	5/29/2008	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
J2MW-04 (-47.85)	5/29/2008	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
J2MW-04 (-77.85)	5/29/2008	N/A	N/A	N/A	0.79	N/A	Predicted Extraction/Removal
J2MW-04 (-87.85)	5/29/2008	N/A	N/A	N/A	1.2	N/A	Predicted Extraction/Removal
J2MW-04 (-97.85)	5/29/2008	N/A	N/A	N/A	1.9	N/A	Predicted Extraction/Removal
J2MW-04M2	2/26/2009	N/A	N/A	N/A	0.21 U	N/A	Predicted Extraction/Removal
J2MW-05 (44.58)	2/6/2008	N/A	N/A	N/A	0.213 U	N/A	Predicted Extraction/Removal
J2MW-05 (34.58)	2/7/2008	N/A	N/A	N/A	0.21 U	N/A	Predicted Extraction/Removal
J2MW-05 (24.58)	2/7/2008	N/A	N/A	N/A	0.217 U	N/A	Predicted Extraction/Removal
J2MW-05 (14.58)	2/7/2008	N/A	N/A	N/A	0.213 U	N/A	Predicted Extraction/Removal
J2MW-05 (4.58)	2/7/2008	N/A	N/A	N/A	0.213 U	N/A	Predicted Extraction/Removal
J2MW-05 (-5.42)	2/8/2008	N/A	N/A	N/A	0.21 U	N/A	Predicted Extraction/Removal
J2MW-05 (-15.42)	2/8/2008	N/A	N/A	N/A	2.41	N/A	Predicted Extraction/Removal
J2MW-05 (-25.42)	2/8/2008	N/A	N/A	N/A	1.14	N/A	Predicted Extraction/Removal
J2MW-05 (-35.42)	2/11/2008	N/A	N/A	N/A	2 J	N/A	Predicted Extraction/Removal
J2MW-05 (-45.42)	2/11/2008	N/A	N/A	N/A	0.5 UJ	N/A	Predicted Extraction/Removal
J2MW-05 (-55.42)	2/12/2008	N/A	N/A	N/A	0.2 UJ	N/A	Predicted Extraction/Removal
J2MW-05 (-65.42)	2/12/2008	N/A	N/A	N/A	0.21 UJ	N/A	Predicted Extraction/Removal
J2MW-05 (-75.42)	2/12/2008	N/A	N/A	N/A	0.213 UJ	N/A	Predicted Extraction/Removal
J2MW-05 (-85.42)	2/13/2008	N/A	N/A	N/A	0.21 UJ	N/A	Predicted Extraction/Removal
J2MW-05 (-95.42)	2/13/2008	N/A	N/A	N/A	0.213 UJ	N/A	Predicted Extraction/Removal
J2MW-05M1	9/17/2009	N/A	N/A	N/A	0.208 U	N/A	Predicted Extraction/Removal
J2MW-05M1	10/5/2010	N/A	N/A	N/A	0.213 U	N/A	Predicted Extraction/Removal
J2MW-05M1	10/18/2011	N/A	N/A	N/A	0.212 U	N/A	Predicted Extraction/Removal
J2MW-05M2	9/15/2009	N/A	N/A	N/A	0.206 U	N/A	Predicted Extraction/Removal
J2MW-05M2	10/5/2010	N/A	N/A	N/A	0.222 U	N/A	Predicted Extraction/Removal
J2MW-05M2	10/18/2011	N/A	N/A	N/A	0.23 U	N/A	Predicted Extraction/Removal
J2MW-05M2	8/15/2012	N/A	N/A	N/A	0.203 U	N/A	Predicted Extraction/Removal
MW-215 (31.88)	5/6/2002	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-215 (21.88)	5/6/2002	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-215 (11.88)	5/6/2002	N/A	N/A	N/A	1.6 U	N/A	Predicted Extraction/Removal
MW-215 (1.88)	5/6/2002	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-215 (-8.12)	5/6/2002	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-215 (-38.12)	5/6/2002	N/A	N/A	N/A	6.2 J	N/A	Predicted Extraction/Removal
MW-215 (-98.12)	5/8/2002	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-215M2	8/1/2002	N/A	N/A	N/A	2.1	N/A	Predicted Extraction/Removal
MW-321 (57.38)	3/15/2004	N/A	N/A	N/A	0.29 U	N/A	Predicted Extraction/Removal
MW-321 (53.38)	3/15/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-321 (43.38)	3/15/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-321 (33.38)	3/15/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-321 (23.38)	3/15/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-321 (13.38)	3/15/2004	N/A	N/A	N/A	1.4	N/A	Predicted Extraction/Removal
MW-321 (3.38)	3/15/2004	N/A	N/A	N/A	1.1	N/A	Predicted Extraction/Removal
MW-321 (-6.62)	3/16/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-321 (-16.62)	3/16/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-321 (-26.62)	3/16/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-321 (-36.62)	3/17/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-321 (-46.62)	3/18/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-321M1	6/14/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-321M1	10/14/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-321M1	2/11/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-321M1	11/22/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-321M1	1/31/2006	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-321M1	3/29/2006	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-321M2	6/14/2004	N/A	N/A	N/A	1.2	N/A	Predicted Extraction/Removal
MW-321M2	10/14/2004	N/A	N/A	N/A	0.74	N/A	Predicted Extraction/Removal
MW-321M2	2/11/2005	N/A	N/A	N/A	0.59	N/A	Predicted Extraction/Removal
MW-321M2	11/22/2005	N/A	N/A	N/A	0.56	N/A	Predicted Extraction/Removal
MW-321M2	1/31/2006	N/A	N/A	N/A	0.76	N/A	Predicted Extraction/Removal
MW-321M2	10/11/2006	N/A	N/A	N/A	0.64	N/A	Predicted Extraction/Removal
MW-324 (-35.92)	3/30/2004	N/A	N/A	N/A	5.6	N/A	Predicted Extraction/Removal
MW-324 (-55.92)	3/30/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-324 (-65.92)	3/31/2004	N/A	N/A	N/A	0.49 J	N/A	Predicted Extraction/Removal
MW-324 (-75.92)	3/31/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-324 (-85.92)	4/1/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-324 (-95.92)	4/1/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-324 (-105.92)	4/1/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-324 (-115.92)	4/1/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-324M1	5/27/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-324M1	10/20/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-324M1	2/23/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-324M1	10/31/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-324M1	1/18/2006	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-324M1	3/30/2006	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-324M1	4/9/2007	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-324M1	4/28/2008	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-324M1	2/25/2009	N/A	N/A	N/A	1.17	N/A	Predicted Extraction/Removal
MW-324M1	9/10/2009	N/A	N/A	N/A	0.843	N/A	Predicted Extraction/Removal
MW-324M1	3/3/2010	N/A	N/A	N/A	0.405	N/A	Predicted Extraction/Removal
MW-324M1	9/15/2010	N/A	N/A	N/A	0.973	N/A	Predicted Extraction/Removal
MW-324M1	3/16/2011	N/A	N/A	N/A	1.09 J	N/A	Predicted Extraction/Removal
MW-324M1	10/27/2011	N/A	N/A	N/A	1.48	N/A	Predicted Extraction/Removal
MW-324M2	7/7/2004	N/A	N/A	N/A	2.7	N/A	Predicted Extraction/Removal
MW-324M2	10/20/2004	N/A	N/A	N/A	2	N/A	Predicted Extraction/Removal
MW-324M2	2/23/2005	N/A	N/A	N/A	1.8	N/A	Predicted Extraction/Removal
MW-324M2	10/31/2005	N/A	N/A	N/A	1	N/A	Predicted Extraction/Removal
MW-324M2	1/18/2006	N/A	N/A	N/A	0 R	N/A	Predicted Extraction/Removal
MW-324M2	1/18/2006	N/A	N/A	N/A	0 R	N/A	Predicted Extraction/Removal
MW-324M2	3/30/2006	N/A	N/A	N/A	0.96	N/A	Predicted Extraction/Removal
MW-324M2	4/9/2007	N/A	N/A	N/A	0.86	N/A	Predicted Extraction/Removal
MW-324M2	4/28/2008	N/A	N/A	N/A	1.6	N/A	Predicted Extraction/Removal
MW-324M2	2/25/2009	N/A	N/A	N/A	0.508	N/A	Predicted Extraction/Removal
MW-324M2	9/10/2009	N/A	N/A	N/A	0.475	N/A	Predicted Extraction/Removal
MW-324M2	9/10/2009	N/A	N/A	N/A	0.475	N/A	Predicted Extraction/Removal
MW-324M2	3/3/2010	N/A	N/A	N/A	0.415	N/A	Predicted Extraction/Removal
MW-324M2	9/15/2010	N/A	N/A	N/A	0.78	N/A	Predicted Extraction/Removal
MW-324M2	3/16/2011	N/A	N/A	N/A	1.19	N/A	Predicted Extraction/Removal
MW-335M1	4/9/2007	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-335M1	4/28/2008	N/A	N/A	N/A	0.52	N/A	Predicted Extraction/Removal
MW-335M1	2/24/2009	N/A	N/A	N/A	1.47	N/A	Predicted Extraction/Removal
MW-335M1	9/22/2009	N/A	N/A	N/A	0.601	N/A	Predicted Extraction/Removal
MW-335M1	3/9/2010	N/A	N/A	N/A	0.462	N/A	Predicted Extraction/Removal
MW-335M1	9/14/2010	N/A	N/A	N/A	0.215 J	N/A	Predicted Extraction/Removal
MW-335M1	3/15/2011	N/A	N/A	N/A	0.206 U	N/A	Predicted Extraction/Removal
MW-335M2	4/4/2006	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-335M2	4/10/2007	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-335M2	4/28/2008	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-335M2	2/24/2009	N/A	N/A	N/A	0.217 U	N/A	Predicted Extraction/Removal
MW-335M2	9/15/2009	N/A	N/A	N/A	0.206 U	N/A	Predicted Extraction/Removal
MW-335M2	3/9/2010	N/A	N/A	N/A	0.2 U	N/A	Predicted Extraction/Removal
MW-335M2	9/14/2010	N/A	N/A	N/A	0.222 U	N/A	Predicted Extraction/Removal
MW-368 (54.43)	4/12/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-368 (41.43)	4/13/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-368 (31.43)	4/13/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-368 (21.43)	4/13/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-368 (11.43)	4/13/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-368 (1.43)	4/13/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-368 (-8.57)	4/13/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-368 (-18.57)	4/13/2005	N/A	N/A	N/A	6.9 J	N/A	Predicted Extraction/Removal
MW-368 (-28.57)	4/13/2005	N/A	N/A	N/A	18 J	N/A	Predicted Extraction/Removal
MW-368 (-38.57)	4/13/2005	N/A	N/A	N/A	6.9 J	N/A	Predicted Extraction/Removal
MW-368 (-48.57)	4/14/2005	N/A	N/A	N/A	0.8 J	N/A	Predicted Extraction/Removal
MW-368 (-68.57)	4/14/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-368 (-78.57)	4/14/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-368 (-88.57)	4/14/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-368 (-98.57)	4/15/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-368 (-108.57)	4/15/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-368M1	6/30/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-368M1	10/28/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-368M1	2/24/2006	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-368M1	3/27/2006	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-368M2	6/30/2005	N/A	N/A	N/A	9.5	N/A	Predicted Extraction/Removal
MW-368M2	10/28/2005	N/A	N/A	N/A	11	N/A	Predicted Extraction/Removal
MW-368M2	2/24/2006	N/A	N/A	N/A	11	N/A	Predicted Extraction/Removal

Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-368M2	3/28/2006	N/A	N/A	N/A	12	N/A	Predicted Extraction/Removal
MW-368M2	10/10/2006	N/A	N/A	N/A	12	N/A	Predicted Extraction/Removal
MW-368M2	4/12/2007	N/A	N/A	N/A	11	N/A	Predicted Extraction/Removal
MW-368M2	9/26/2007	N/A	N/A	N/A	13	N/A	Predicted Extraction/Removal
MW-368M2	4/14/2008	N/A	N/A	N/A	14	N/A	Predicted Extraction/Removal
MW-368M2	11/3/2008	N/A	N/A	N/A	16	N/A	Predicted Extraction/Removal
MW-368M2	2/23/2009	N/A	N/A	N/A	13.8	N/A	Predicted Extraction/Removal
MW-368M3	6/30/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-368M3	10/28/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-368M3	2/24/2006	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-393 (-156.49)	9/6/2005	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-393M1	4/9/2007	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-393M1	4/10/2008	N/A	N/A	N/A	0.38	N/A	Predicted Extraction/Removal
MW-393M1	10/31/2008	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-393M1	9/3/2009	N/A	N/A	N/A	0.208 U	N/A	Predicted Extraction/Removal
MW-393M1	10/4/2010	N/A	N/A	N/A	0.215 U	N/A	Predicted Extraction/Removal
MW-393M1	10/26/2011	N/A	N/A	N/A	0.222 U	N/A	Predicted Extraction/Removal
MW-393M2	9/21/2007	N/A	N/A	N/A	0.62	N/A	Predicted Extraction/Removal
MW-393M2	4/10/2008	N/A	N/A	N/A	0.86	N/A	Predicted Extraction/Removal
MW-393M2	10/31/2008	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-393M2	9/3/2009	N/A	N/A	N/A	0.206 U	N/A	Predicted Extraction/Removal
MW-393M2	10/4/2010	N/A	N/A	N/A	0.213 U	N/A	Predicted Extraction/Removal
MW-393M2	10/26/2011	N/A	N/A	N/A	0.222 U	N/A	Predicted Extraction/Removal
MW-48 (60.53)	10/8/1999	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-48 (50.53)	10/8/1999	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-48S	1/17/2000	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
PPPLDGE	7/8/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
PPPTENNIS	7/8/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
PWPALAND1	10/24/2003	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
PWPALAND1	5/20/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS00145F	5/20/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS003P	5/6/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS003P	5/17/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS003P	5/26/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS003P	7/8/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS003P	8/4/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS003P	9/3/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS003P	10/6/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS004P	5/6/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS004P	8/4/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS004P	9/3/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS004P	10/6/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS005P	5/6/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS005P	8/4/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS005P	9/3/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS005P	10/6/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS006P	5/6/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS006P	8/4/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS006P	9/3/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS006P	10/6/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS007P	5/6/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS007P	8/4/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS007P	9/3/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS007P	10/6/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS008P	9/2/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS008P	10/6/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS009P	5/6/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS009P	8/4/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS009P	9/3/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
RS009P	10/6/2004	N/A	N/A	N/A	0.25 U	N/A	Predicted Extraction/Removal
MW-154 (-155.16)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-158 (-146.75)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-228 (-147.78)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-310 (-167.40)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-334 (-151.01)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-336 (-161.29)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-342 (-165.42)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-357 (-162.71)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-365 (-159.84)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-388 (-149.09)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-493 (60.50)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-493 (50.50)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain

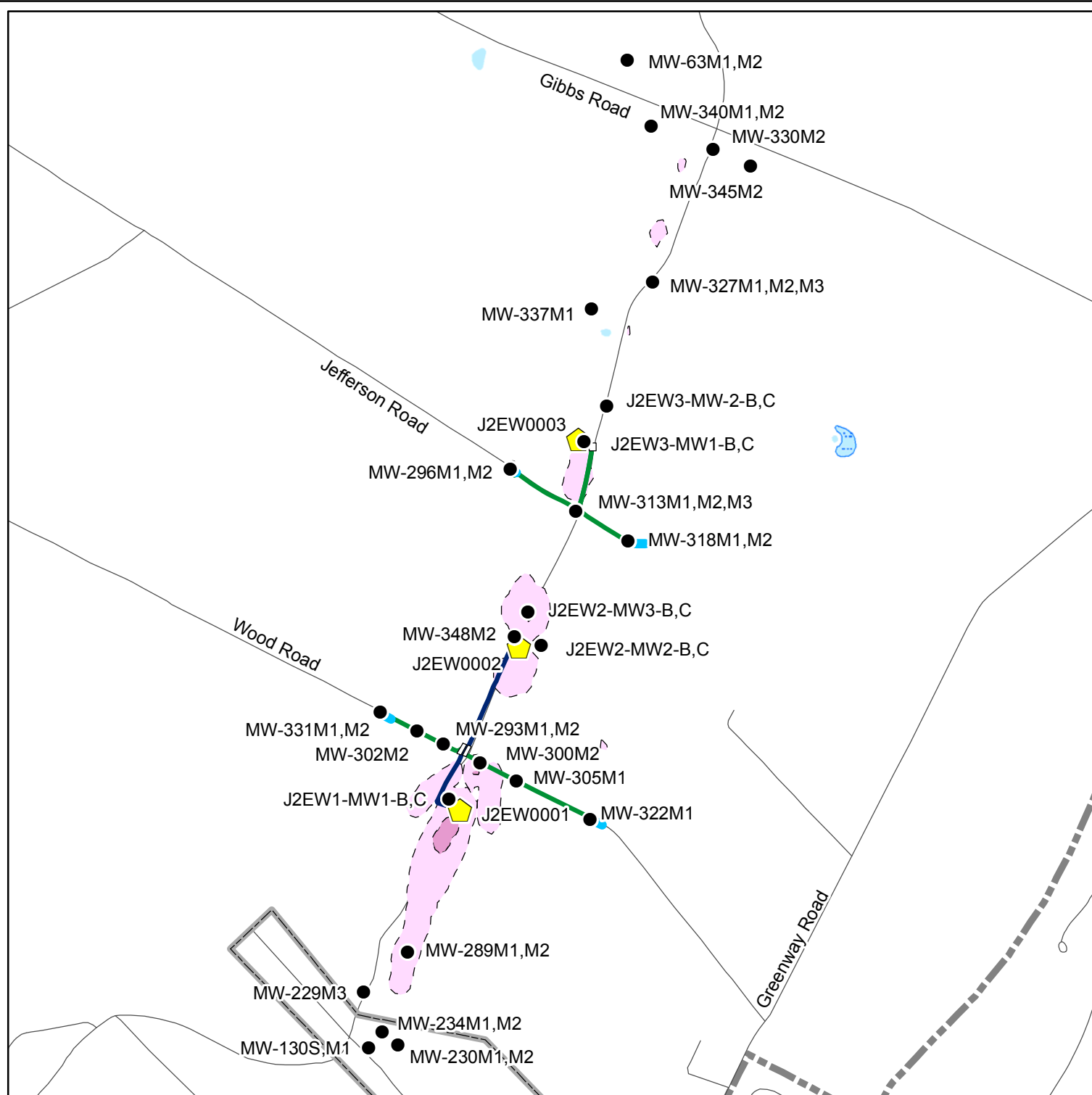
Table 2
J-2 Range Eastern 2012 RDX Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	RDX Concentration (ug/L)	Migration Duration (years)	Status
MW-493 (40.50)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-493 (30.50)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-493 (20.50)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-493 (10.50)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-493 (0.50)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-493 (-9.50)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-493 (-19.50)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-494 (62.50)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-494 (52.50)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-494 (42.50)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-494 (32.50)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-494 (22.50)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-494 (12.50)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-494 (2.50)	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
<p>Notes:</p> <div style="display: flex; justify-content: space-between;"> <div> <p>U = non-detect</p> <p>J = estimated</p> <p>N/A = not applicable</p> </div> <div> <p>Used = point used to develop plume shell</p> <p>Deleted = point not used to develop plume shell</p> <p>Predicted Extracted/Removed = predicted to have been extracted/removed</p> <p>Not Within Model Domain = outside of model domain and not simulated</p> </div> </div>							

Appendix I

J2 Northern: Perchlorate Plume Shell Development

Figures



Impact Area Groundwater Study Program

LEGEND

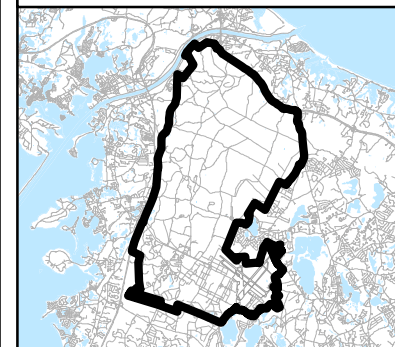
- Monitoring Well
- ⬠ Extraction Well
- Infiltration Trench
- Influent Piping
- Effluent Piping
- Treatment System
- ▭ J-2 Range Boundary
- ▭ MMR Boundary

Perchlorate Detections

- 2-15 $\mu\text{g/L}$
- 15-200 $\mu\text{g/L}$

Plumes: Perchlorate (Revised Jan 2013)
Uncalibrated

LOCATION MAP



NOTES & SOURCES

Map Coordinate System: NAD83 UTM Zone 19N Meters
Basemap data from US Geological Survey 7 1/2 minute
Topographic Maps: Source: MassGIS

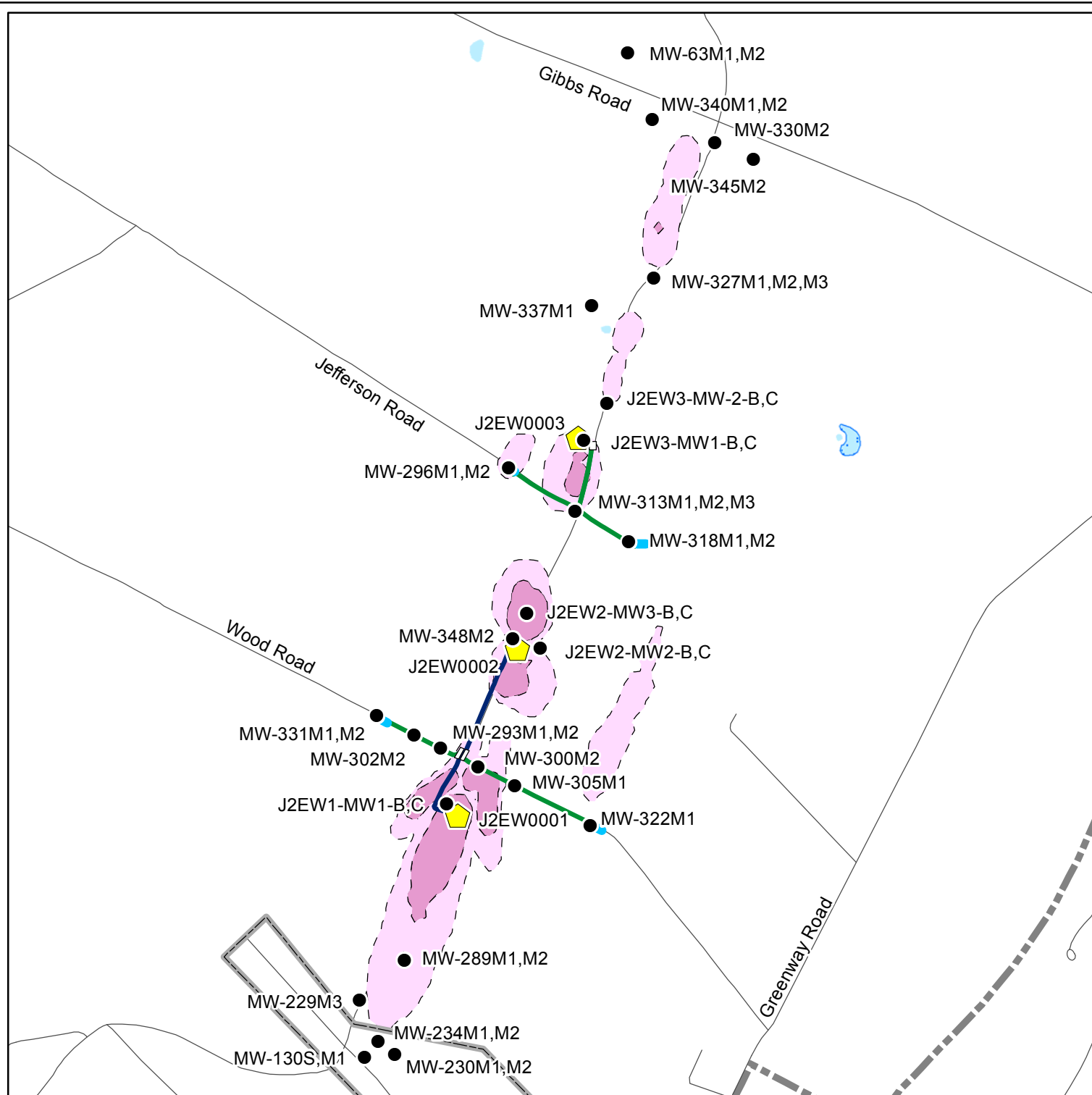
TITLE

J-2 Range Northern Uncalibrated
Perchlorate Plume and Current
Chemical Monitoring Network



US Army Corps
of Engineers
New England District

M:\MMR\2013\J2RIFS\Figures\Fig4-2_040813.pdf
M:\MMR\2013\J2RIFS\MXDs\Fig4-2_040813.mxd
April 8, 2013 DWN: MTW CHKD: KJH



Impact Area Groundwater Study Program

LEGEND

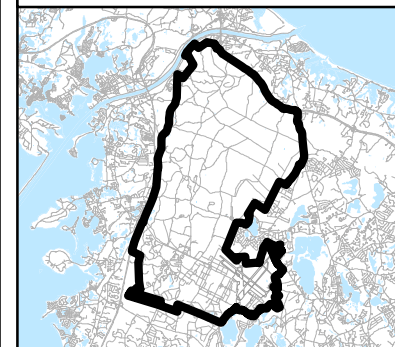
- Monitoring Well
- ◆ Extraction Well
- Infiltration Trench
- Influent Piping
- Effluent Piping
- Treatment System
- J-2 Range Boundary
- ▭ MMR Boundary

Perchlorate Detections

- 2-15 μ g/L
- 15-200 μ g/L

Plumes: Perchlorate (Revised Jan 2013)
Calibrated

LOCATION MAP



NOTES & SOURCES

Map Coordinate System: NAD83 UTM Zone 19N Meters
Basemap data from US Geological Survey 7 1/2 minute
Topographic Maps: Source: MassGIS

TITLE

J-2 Range Northern Calibrated
Perchlorate Plume and Current
Chemical Monitoring Network

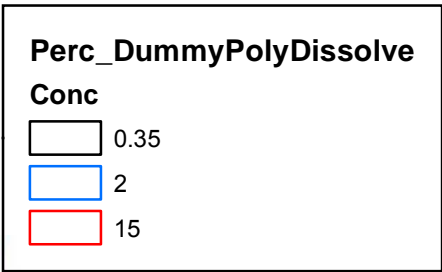


US Army Corps
of Engineers
New England District

M:\MMR\2013\J2RIFS\Figures\Fig4-2_040813.pdf
M:\MMR\2013\J2RIFS\MXDs\Fig4-2_040813.mxd
April 8, 2013 DWN: MTW CHKD: KJH



0 1,000 2,000 Feet



J-2 Range Northern 2012
Perchlorate Plume Shell

Plan View Plume Contours





Perc Contours

Upper and Lower Limits





Conc (ppb)

0.35	2	15
------	---	----

Conc (ppb)

- 0.00 - 0.35
- 0.36 - 2.00
- 2.01 - 15.00
- 15.01 - 100.00

Conc (ppb)

-  0.00 - 0.35
-  0.36 - 2.00
-  2.01 - 15.00
-  15.01 - 100.00

J-2 Range Northern 2012 Perchlorate Plume Shell

Migrated Concentration Data and Associated Contours

Elevation Range: 30 to 40 feet msl



**US Army Corps
of Engineers.**



Perc Contours	Conc (ppb)	Conc (ppb)
Upper and Lower Limits	0.00 - 0.35	0.00 - 0.35
Conc (ppb)	0.36 - 2.00	0.36 - 2.00
0.35	2.01 - 15.00	2.01 - 15.00
2	15.01 - 100.00	15.01 - 100.00
15		

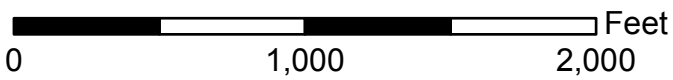
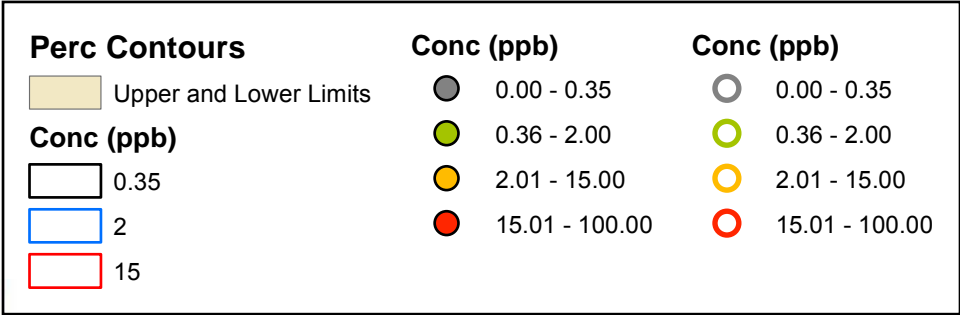
0 1,000 2,000 Feet

J-2 Range Northern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: 20 to 30 feet msl



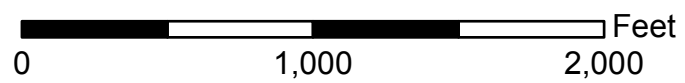
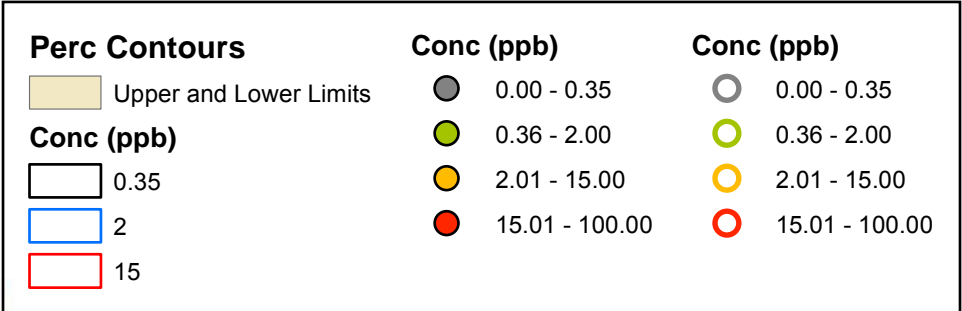
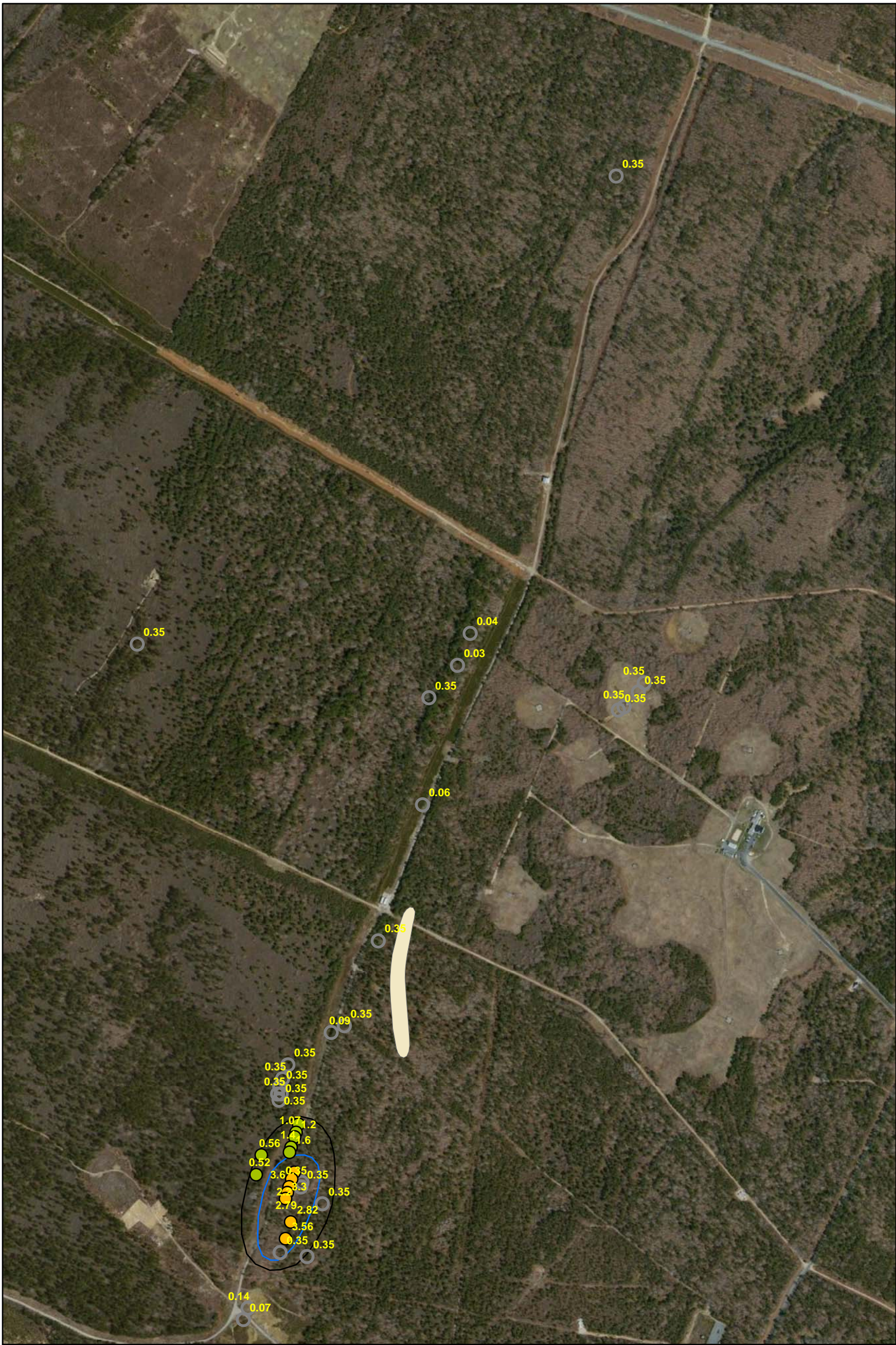


J-2 Range Northern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: 10 to 20 feet msl



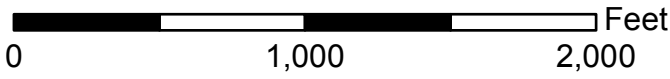
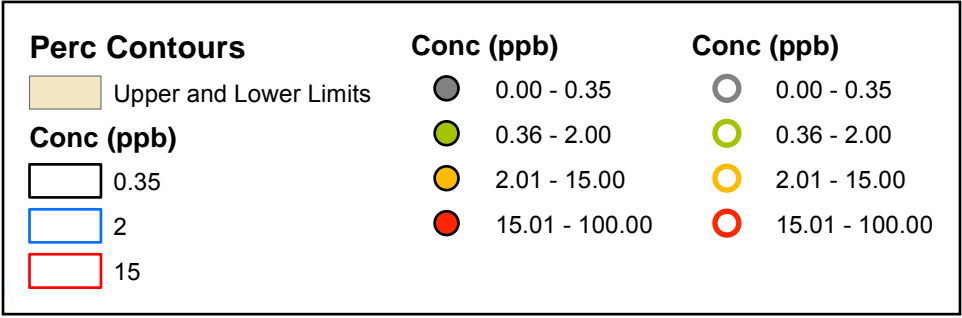


J-2 Range Northern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: 0 to 10 feet msl



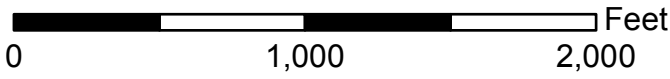
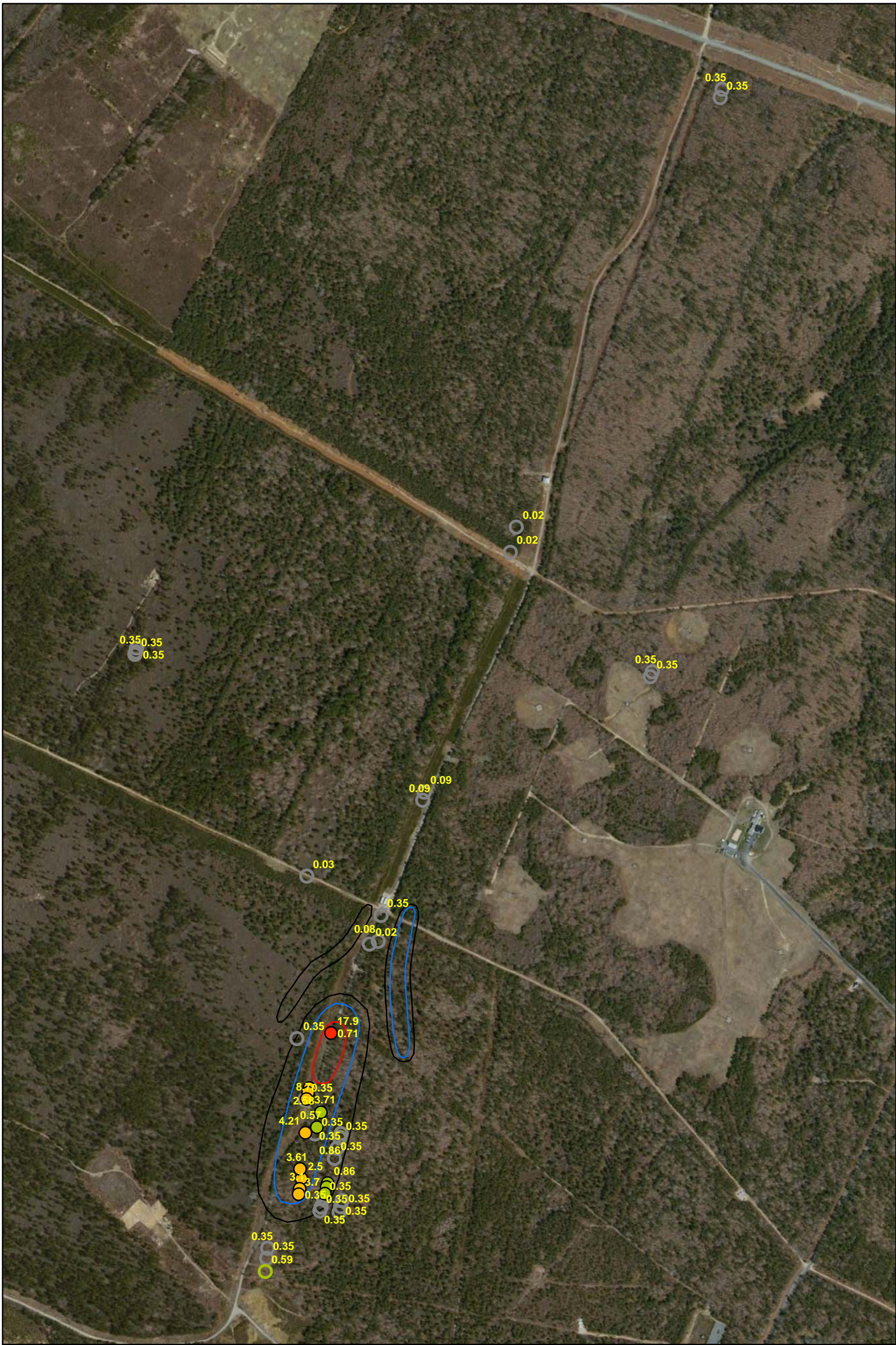


J-2 Range Northern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -10 to 0 feet msl



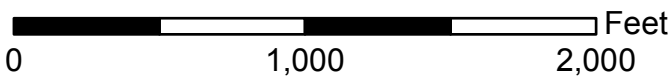
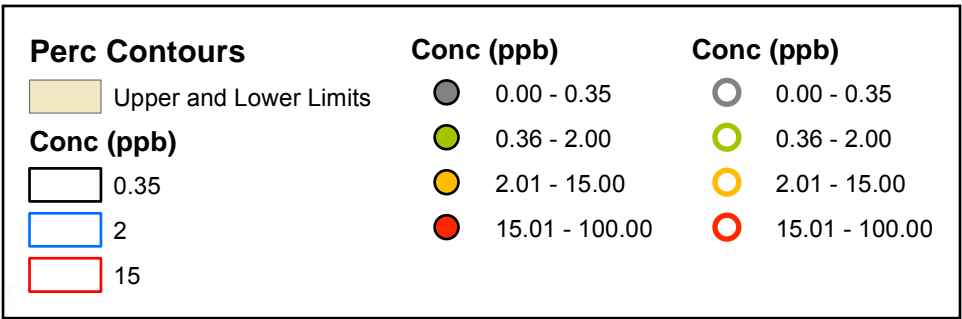
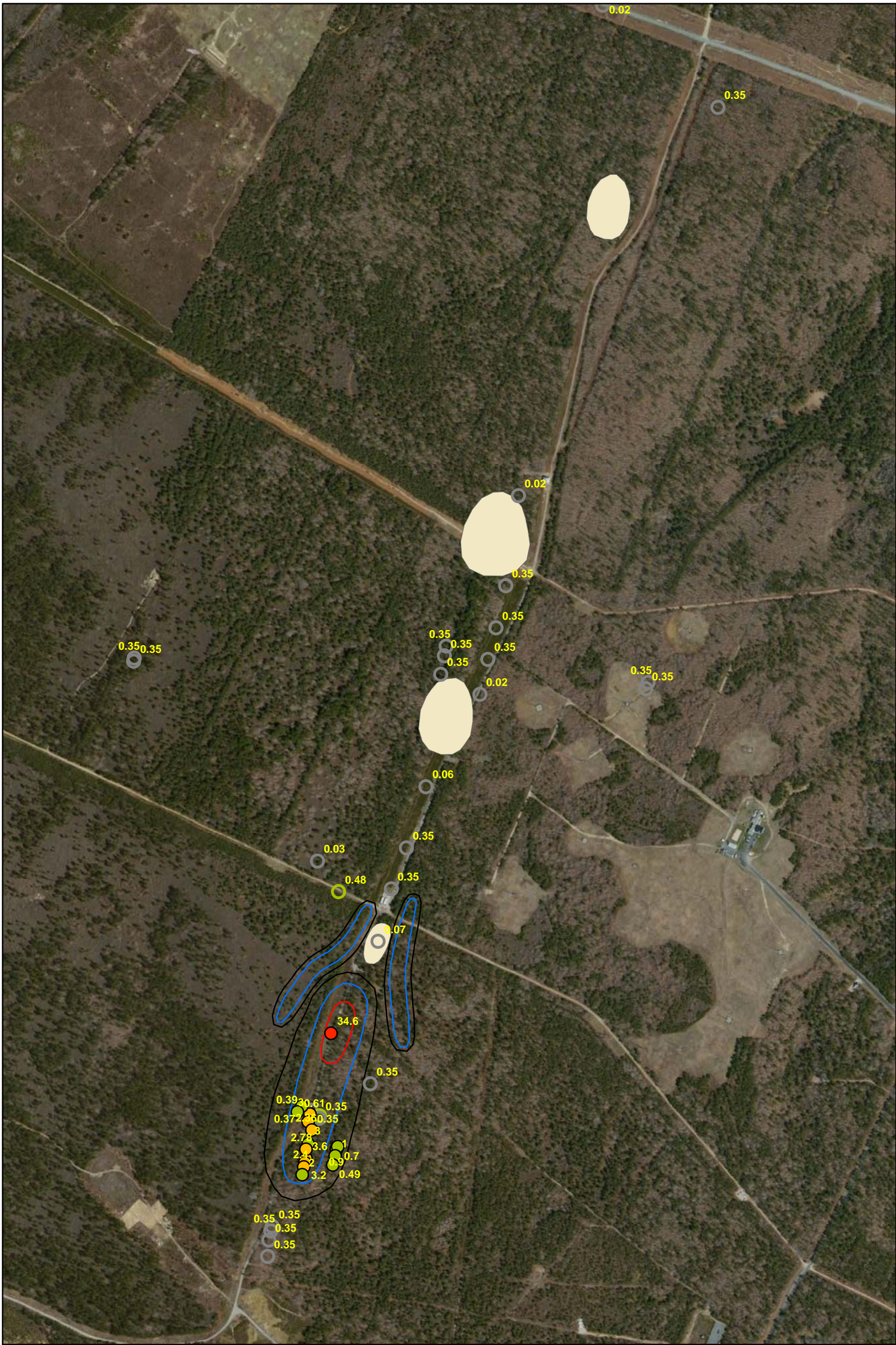


J-2 Range Northern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -20 to -10 feet msl



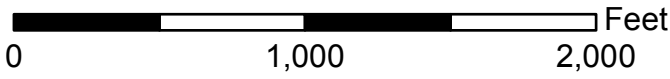
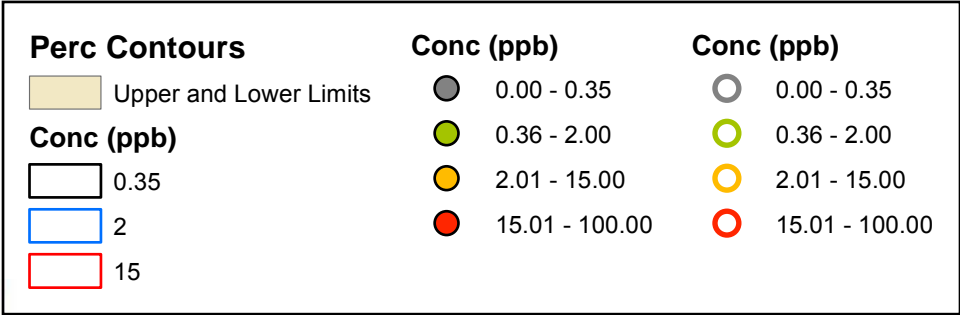
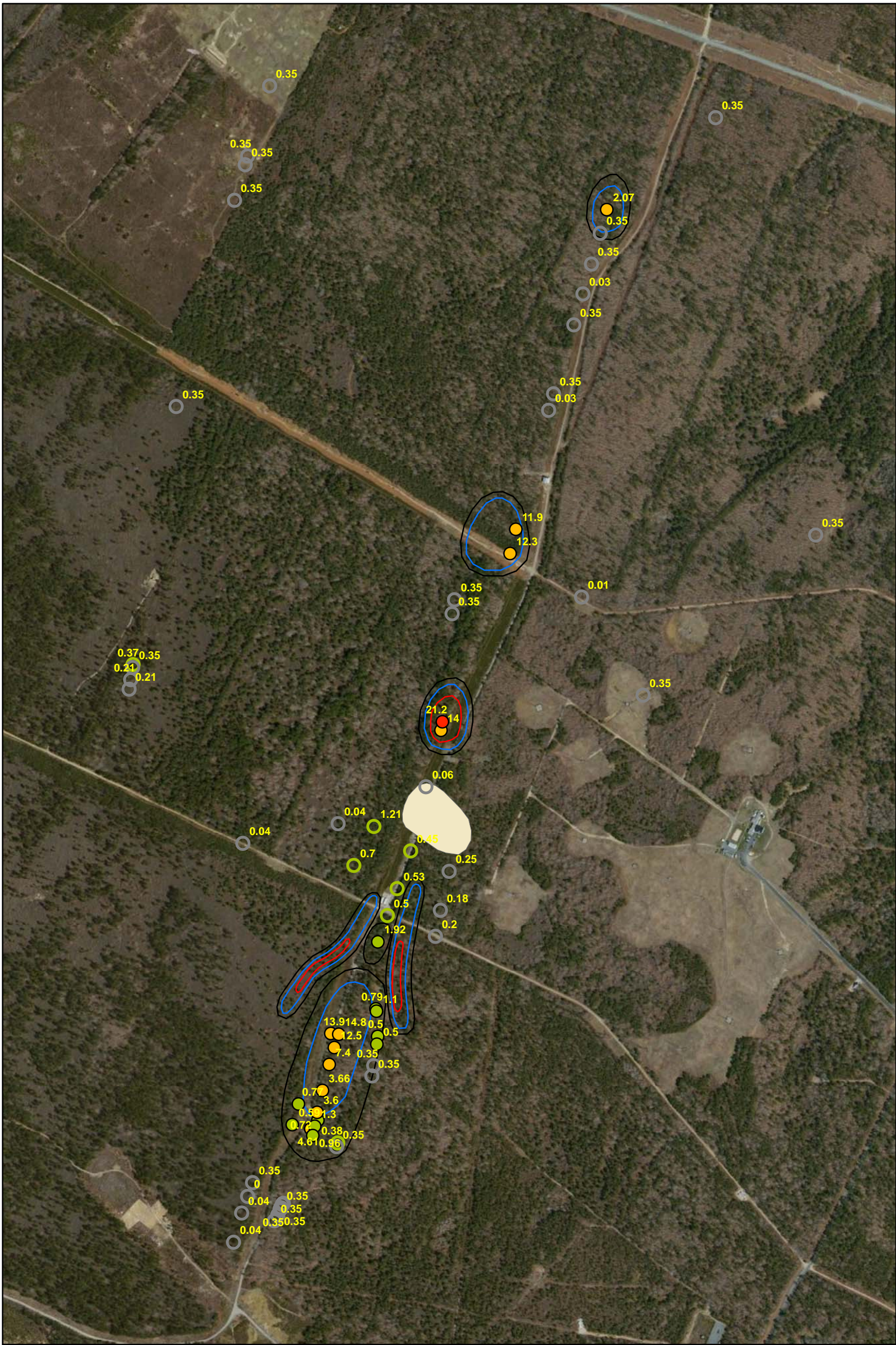


J-2 Range Northern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -30 to -20 feet msl



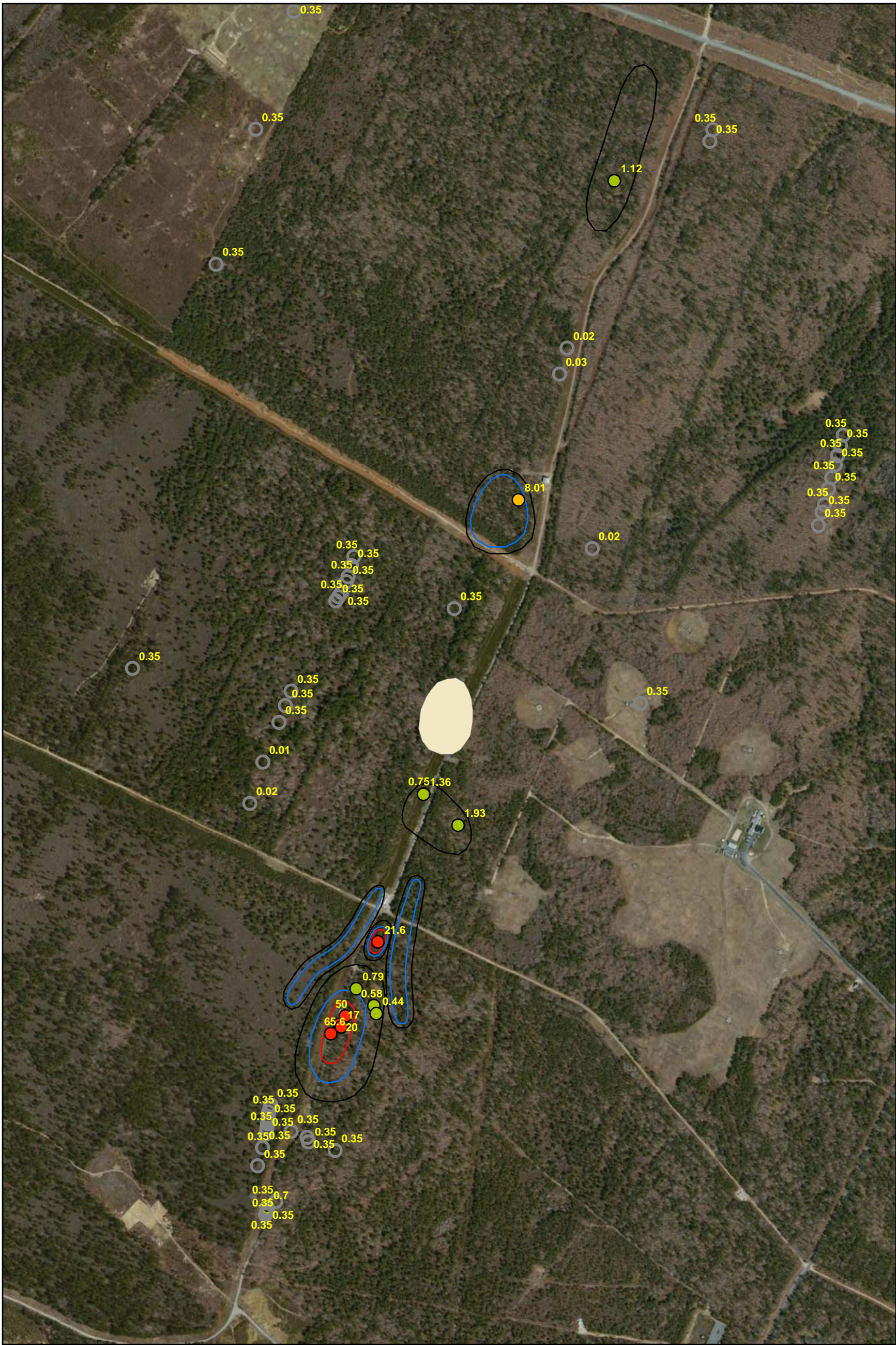


J-2 Range Northern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -40 to -30 feet msl





Perc Contours	Conc (ppb)	Conc (ppb)
Upper and Lower Limits	0.00 - 0.35	0.00 - 0.35
Conc (ppb)	0.36 - 2.00	0.36 - 2.00
0.35	2.01 - 15.00	2.01 - 15.00
2	15.01 - 100.00	15.01 - 100.00
15		

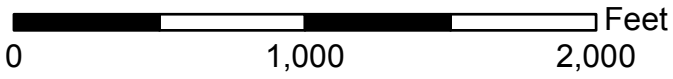
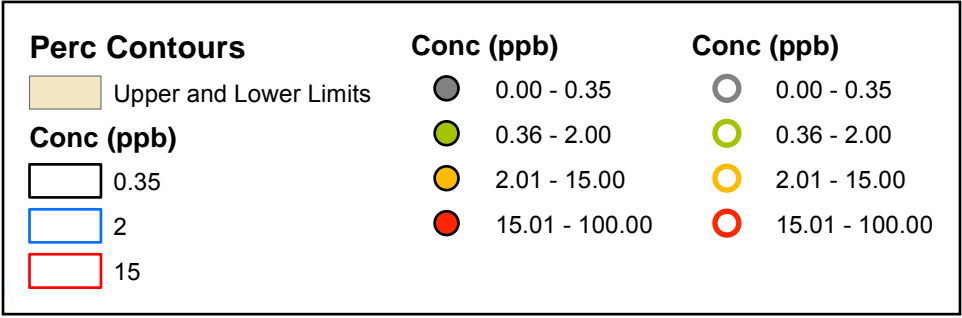
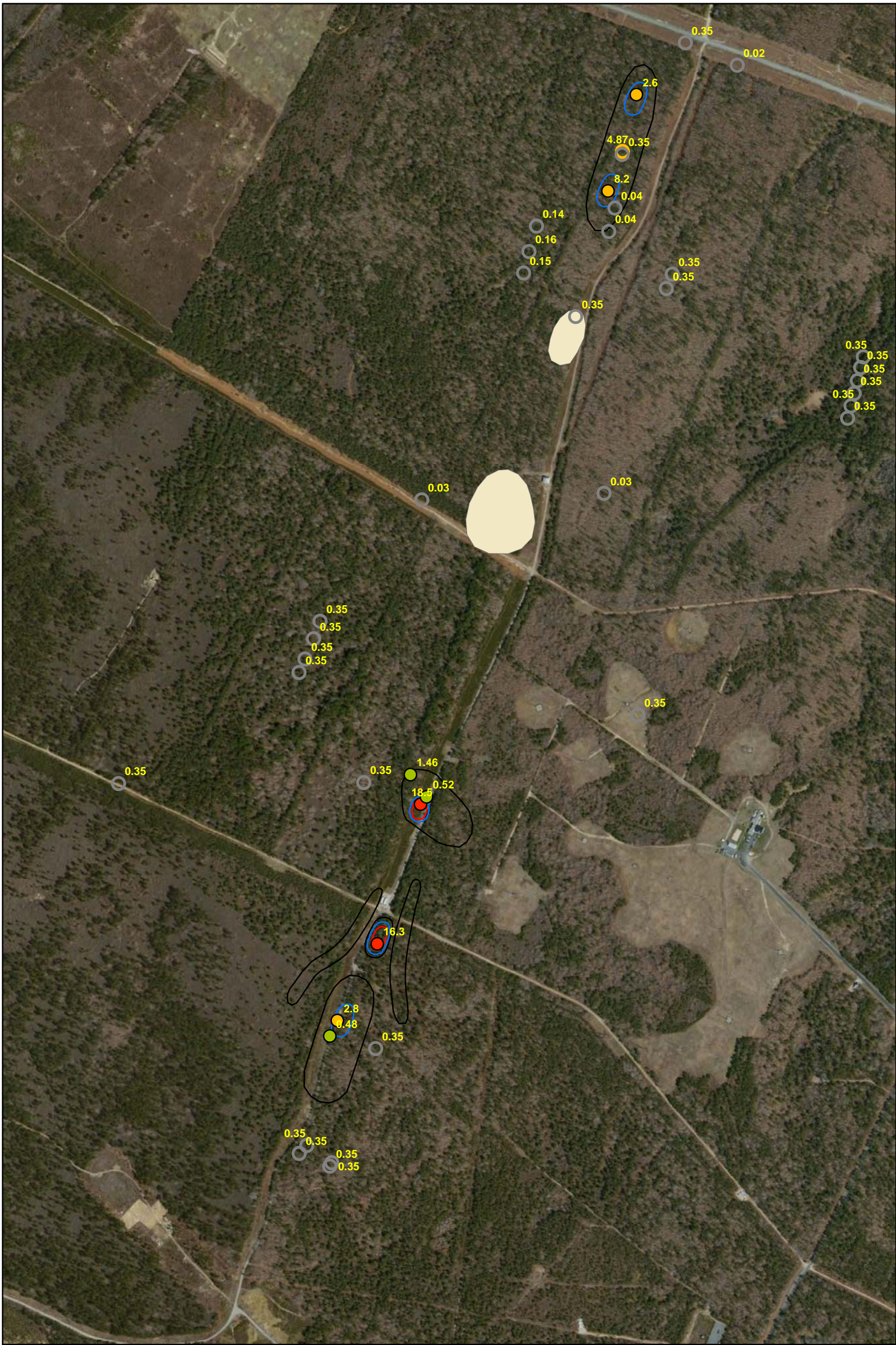
0 1,000 2,000 Feet

J-2 Range Northern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -50 to -40 feet msl



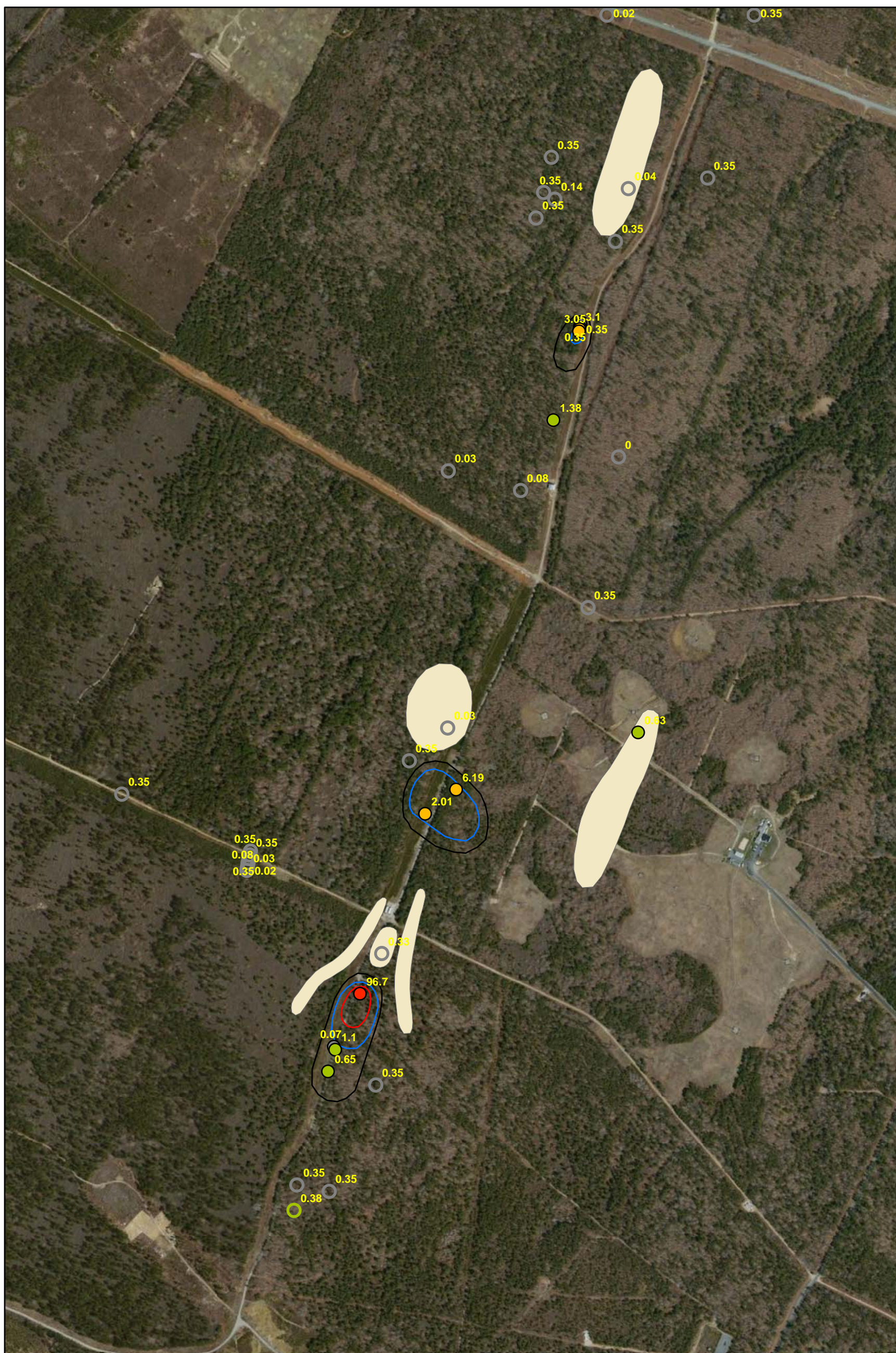


J-2 Range Northern 2012
Perchlorate Plume Shell


Migrated Concentration Data
and Associated Contours

Elevation Range: -60 to -50 feet msl








Perc Contours

 Upper and Lower Limits

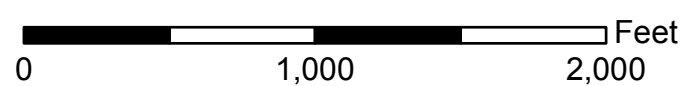
Conc (ppb)

 0.35

 2

 15

Conc (ppb)	Conc (ppb)
0.00 - 0.35	0.00 - 0.35
0.36 - 2.00	0.36 - 2.00
2.01 - 15.00	2.01 - 15.00
15.01 - 100.00	15.01 - 100.00



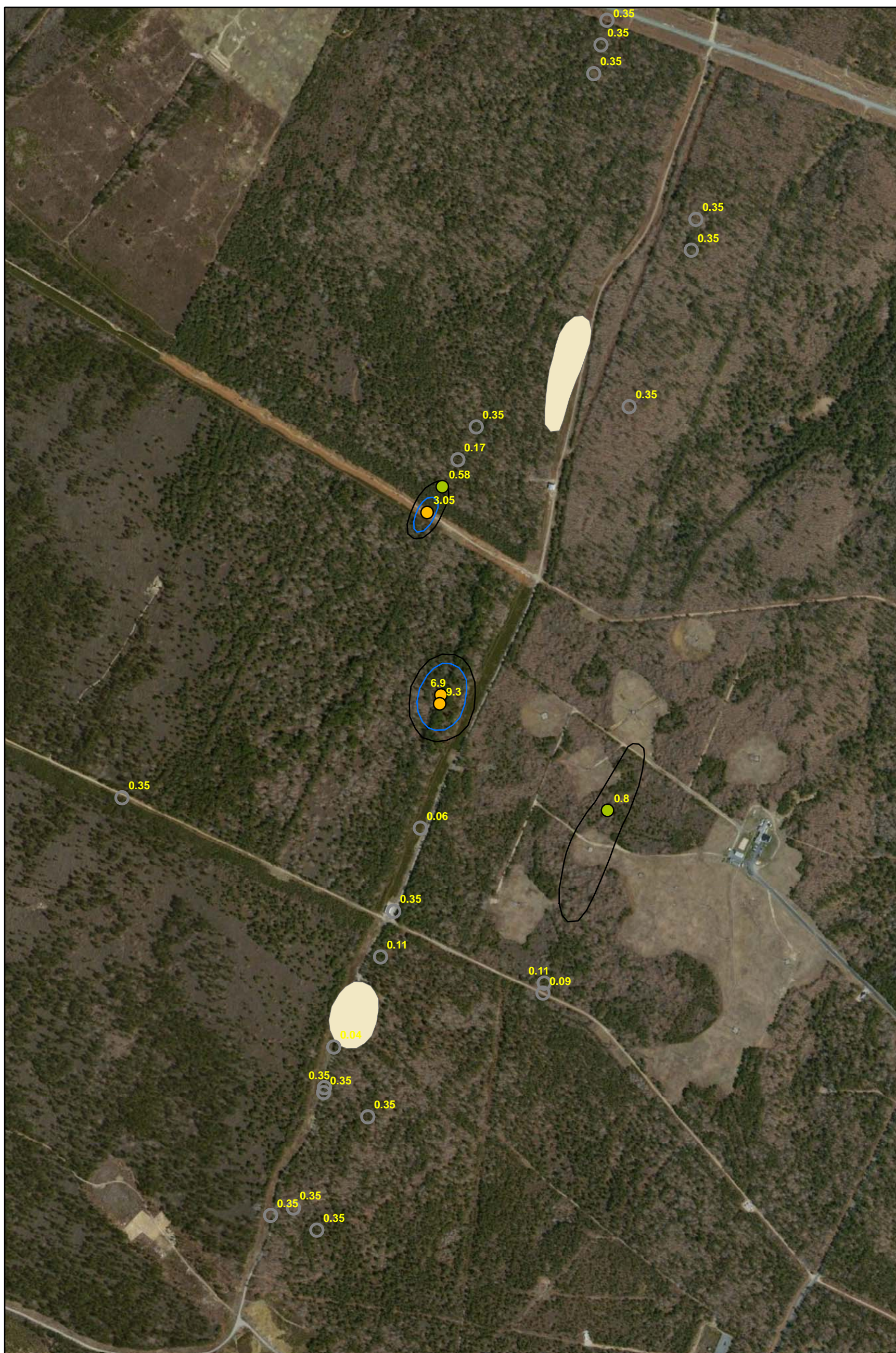
J-2 Range Northern 2012 Perchlorate Plume Shell

Migrated Concentration Data and Associated Contours

Elevation Range: -70 to -60 feet msl





**US Army Corps
of Engineers.**



Perc Contours

Upper and Lower Limits

Conc (ppb)

	0.35
	2
	15

Conc (ppb)

● 0.00 - 0.35

● 0.36 - 2.00

● 2.01 - 15.00

● 15.01 - 100.00

Conc (ppb)

○ 0.00 - 0.35

0.36 - 2.00

○ 2.01 - 15.00

○ 15.01 - 100.00

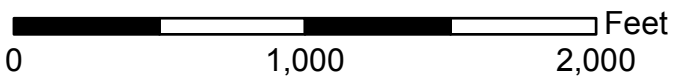
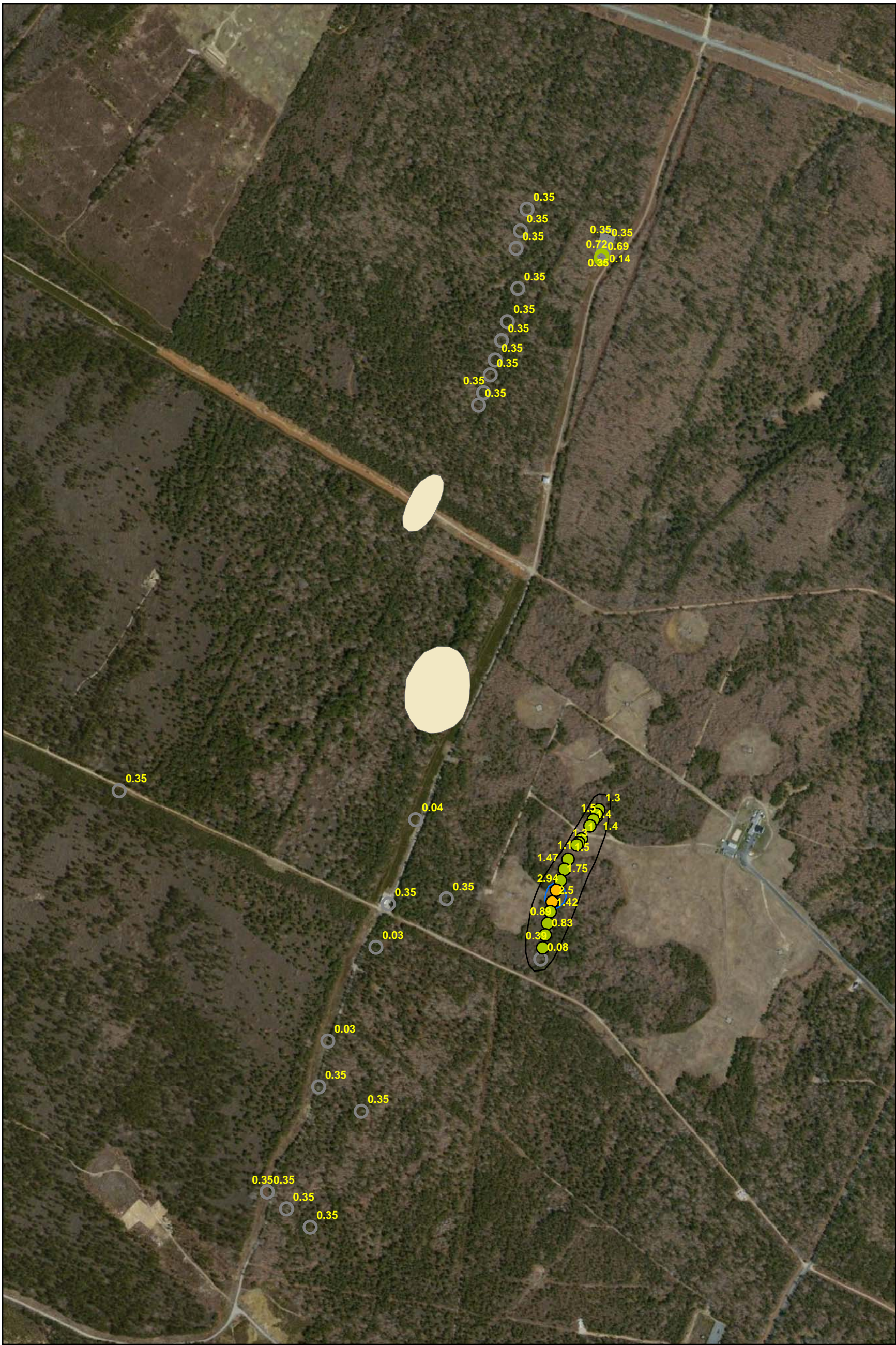
J-2 Range Northern 2012 Perchlorate Plume Shell

Migrated Concentration Data and Associated Contours

Elevation Range: -90 to -80 feet msl



**US Army Corps
of Engineers.**



J-2 Range Northern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -100 to -90 feet msl





Perc Contours

Upper and Lower Limits





Conc (ppb)

0.35	2	15
------	---	----

Conc (ppb)

- 0.00 - 0.35
- 0.36 - 2.00
- 2.01 - 15.00
- 15.01 - 100.00

Conc (ppb)

-  0.00 - 0.35
-  0.36 - 2.00
-  2.01 - 15.00
-  15.01 - 100.00

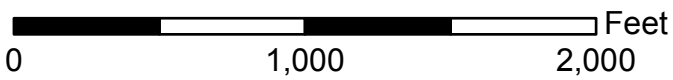
J-2 Range Northern 2012 Perchlorate Plume Shell

Migrated Concentration Data and Associated Contours

Elevation Range: -110 to -100 feet msl



**US Army Corps
of Engineers.**

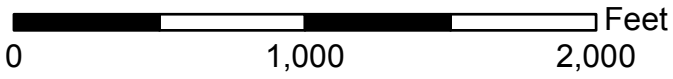
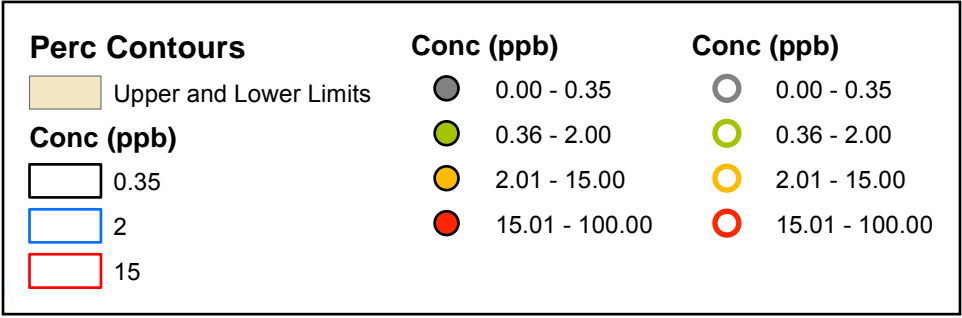
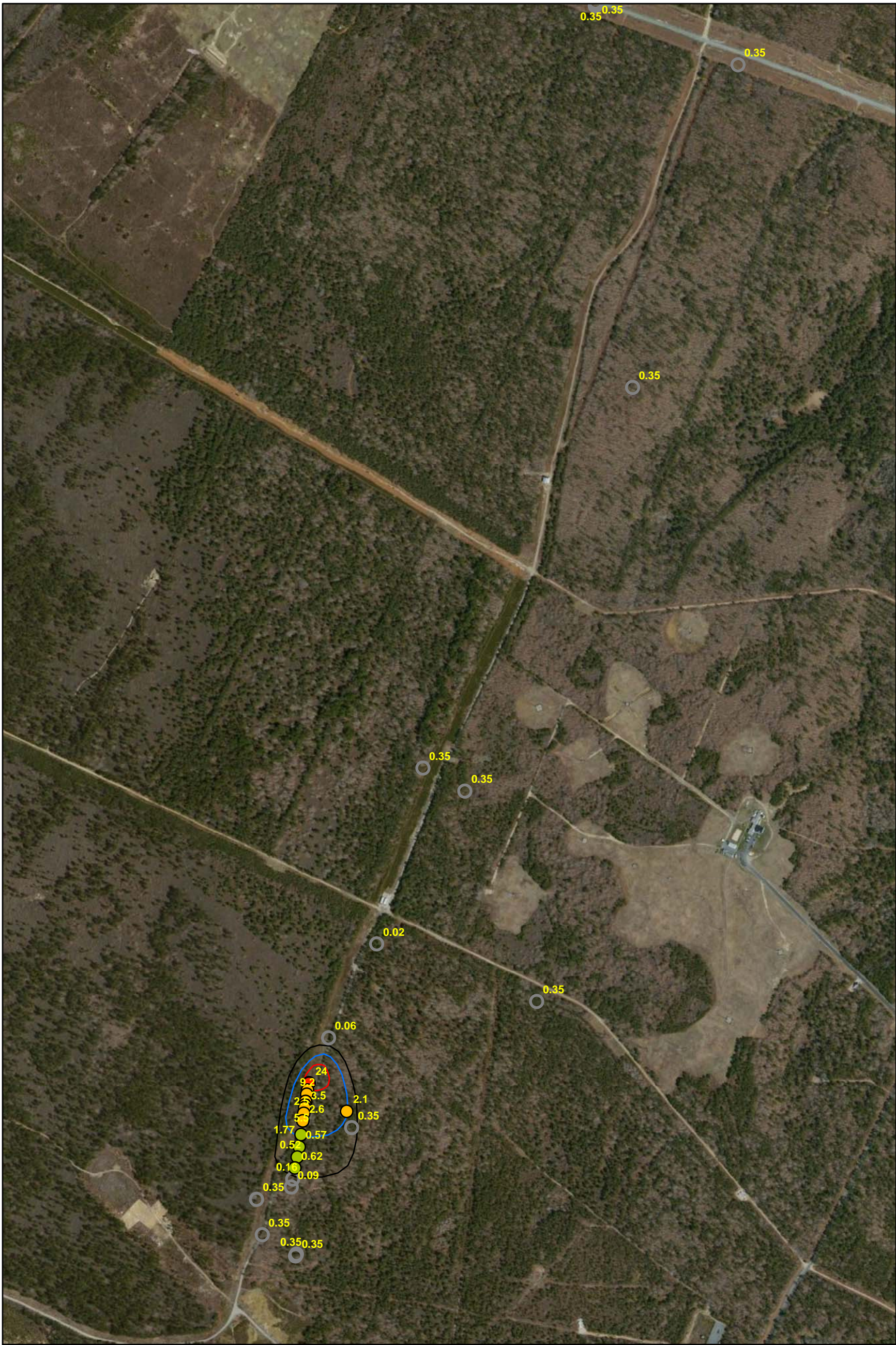


J-2 Range Northern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -130 to -120 feet msl





J-2 Range Northern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -150 to -140 feet msl





Perc Contours	Conc (ppb)	Conc (ppb)
Upper and Lower Limits	0.00 - 0.35	0.00 - 0.35
Conc (ppb)	0.36 - 2.00	0.36 - 2.00
0.35	2.01 - 15.00	2.01 - 15.00
2	15.01 - 100.00	15.01 - 100.00
15		

0 1,000 2,000 Feet












J-2 Range Northern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -160 to -150 feet msl





Perc Contours	Conc (ppb)	Conc (ppb)
 Upper and Lower Limits	 0.00 - 0.35	 0.00 - 0.35
Conc (ppb)	 0.36 - 2.00	 0.36 - 2.00
 0.35	 2.01 - 15.00	 2.01 - 15.00
 2	 15.01 - 100.00	 15.01 - 100.00
 15		

0 1,000 2,000 Feet

J-2 Range Northern 2012
Perchlorate Plume Shell

Migrated Concentration Data
and Associated Contours

Elevation Range: -170 to -160 feet msl



Figure X

J-2 Northern: Measured and Predicted (Un-Calibrated) Extraction Well Perchlorate Concentrations

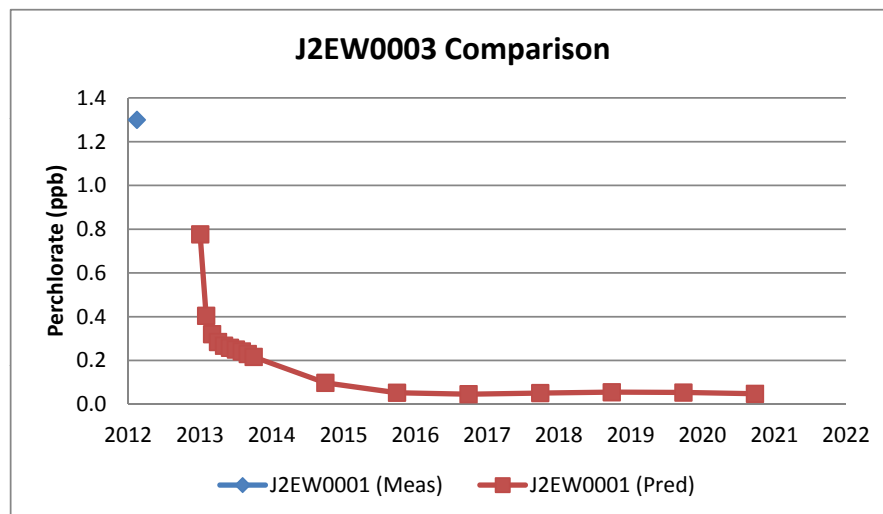
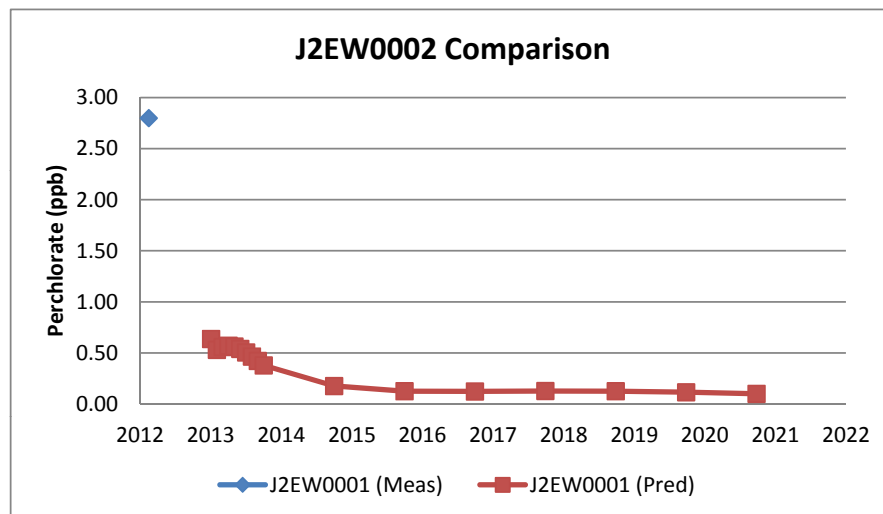
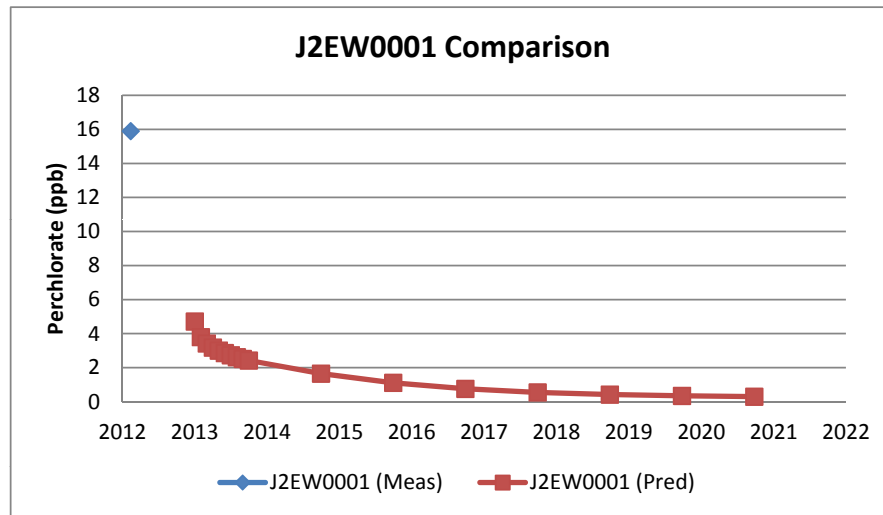
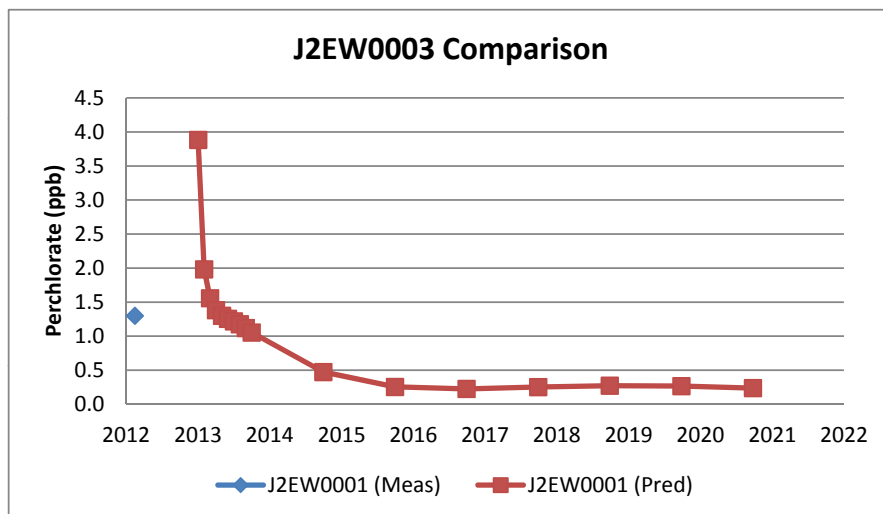
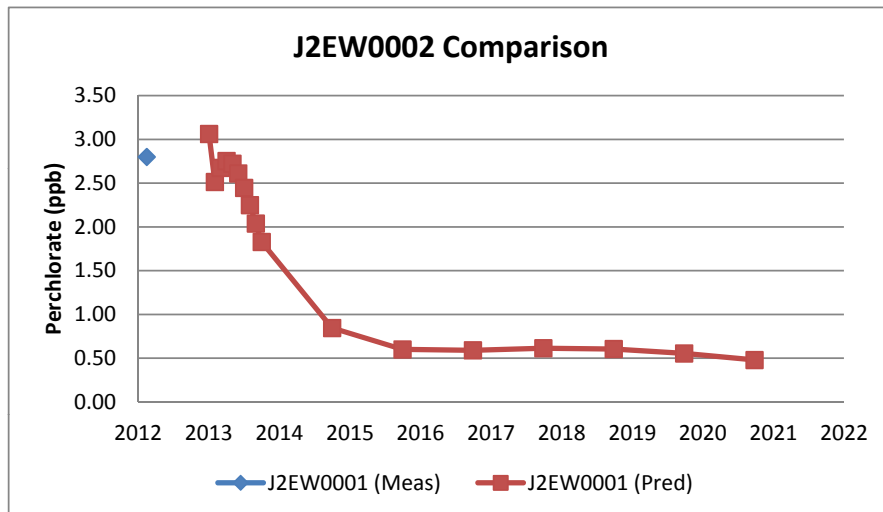
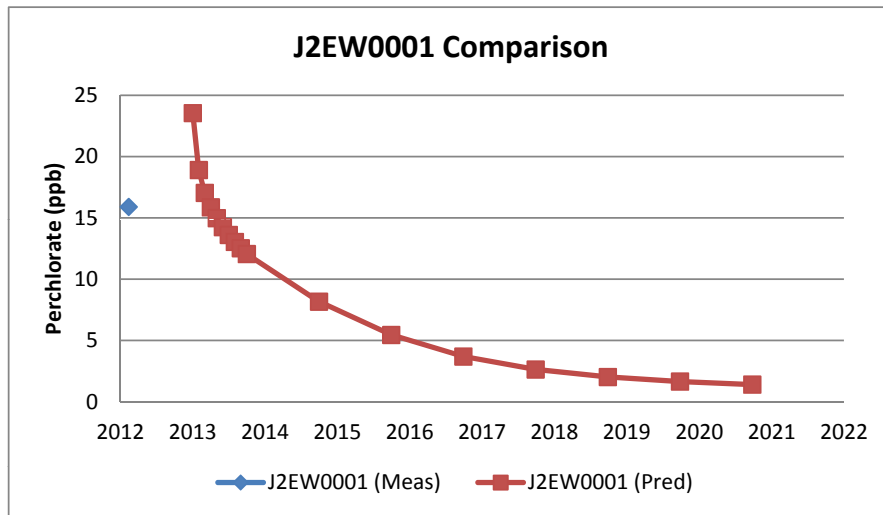


Figure X

J-2 Northern: Measured and Predicted (Calibrated) Extraction Well Perchlorate Concentrations



Tables

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
BH-585	9/11/2012	868,891	260,364	-10.13	0.046 J	0.31	Used
BH-585	9/12/2012	868,890	260,362	-19.82	17.9	0.30	Used
BH-585	9/12/2012	868,890	260,361	-29.56	17.9	0.30	Used
BH-585	9/12/2012	868,889	260,359	-39.25	17.9	0.30	Used
BH-585	9/13/2012	868,888	260,358	-48.89	65.6	0.30	Used
BH-585	9/13/2012	868,882	260,342	-58.60	65.6	0.30	Used
BH-585	9/13/2012	868,881	260,340	-68.37	65.6	0.30	Used
BH-586	9/24/2012	869,202	260,968	-33.37	1.92	0.27	Used
BH-586	9/24/2012	869,202	260,967	-43.11	1.92	0.27	Used
BH-586	9/24/2012	869,197	260,955	-52.90	1.92	0.27	Used
BH-587	8/24/2012	869,506	261,952	-40.03	0.75	0.36	Used
BH-587	8/24/2012	869,505	261,948	-47.55	0.75	0.36	Used
BH-587	8/27/2012	869,485	261,881	-55.37	18.5	0.35	Used
BH-587	8/27/2012	869,483	261,877	-63.33	18.5	0.35	Used
J2EW1-MW1-B	7/16/2012	869,057	260,655	-45.53	0.792	0.46	Used
J2EW1-MW1-C	2/13/2012	869,054	260,689	-69.60	96.7	0.88	Used
J2EW1-MW1-C	7/16/2012	869,016	260,717	-72.12	0.759	0.46	Used
J2EW2-MW3-B	9/7/2011	869,621	262,372	-38.57	14	1.32	Used
J2EW2-MW3-B	6/28/2012	869,630	262,430	-37.17	21.2	0.51	Used
J2EW3-MW-2-B	11/7/2006	870,919	266,594	-52.49	2.6	6.15	Used
J2EW3-MW-2-B	4/24/2008	870,773	266,021	-46.10	1.12	4.69	Used
J2EW3-MW-2-B	9/30/2008	870,723	265,831	-35.97	2.07	4.25	Used
J2EW3-MW-2-C	10/11/2007	870,510	265,105	-60.28	1 U	5.23	Used
J2EW3-MW-2-C	9/30/2008	870,505	265,088	-61.34	1 U	4.25	Used
J2EW3-MW-2-C	2/13/2009	870,503	265,075	-62.39	3.1	3.88	Used
J2EW3-MW-2-C	8/14/2009	870,500	265,061	-62.72	3.05	3.38	Used
J2EW3-MW-2-C	8/26/2010	870,465	264,932	-75.61	1.42	2.35	Used
J2EW3-MW-2-C	9/8/2011	870,390	264,673	-72.46	1.53	1.32	Used
J2EW3-MW-2-C	6/28/2012	870,331	264,474	-69.76	1.38	0.51	Used
MW-130S	2/14/2001	868,750	259,823	-23.14	3 J	11.88	Used
MW-130S	6/14/2001	868,738	259,773	-21.16	3 J	11.55	Used
MW-130S	12/13/2001	868,720	259,699	-16.57	4.21	11.05	Used
MW-130S	8/27/2002	868,695	259,602	-9.62	2.7 J	10.35	Used
MW-130S	3/27/2003	868,674	259,522	-3.79	3	9.77	Used
MW-130S	11/10/2003	868,645	259,437	3.32	2.4	9.14	Used
MW-130S	3/10/2004	868,629	259,393	4.93	2.2	8.81	Used
MW-130S	8/2/2004	868,611	259,340	7.02	3.6 J	8.42	Used
MW-130S	11/17/2004	868,599	259,302	8.23	2.79 J	8.12	Used
MW-130S	3/10/2005	868,588	259,263	9.71	3.3	7.81	Used
MW-130S	5/31/2005	868,580	259,234	10.93	2.1	7.59	Used
MW-130S	11/5/2005	868,566	259,179	13.52	2.6	7.16	Used
MW-130S	2/1/2006	868,557	259,148	15.03	3.1	6.92	Used
MW-130S	10/5/2006	868,535	259,064	18.84	1.6	6.24	Used
MW-229M3	10/1/2007	868,426	259,551	3.03	0.557 J	5.25	Used
MW-229M3	10/1/2008	868,393	259,422	7.44	0.52 J	4.25	Used
MW-230	7/9/2002	868,925	259,592	-24.39	1 U	10.48	Used
MW-230M1	8/28/2002	868,935	259,607	-28.45	0.7 J	10.35	Used
MW-230M1	2/14/2003	868,918	259,546	-26.53	1 J	9.88	Used
MW-230M1	8/11/2003	868,901	259,486	-24.33	0.49 J	9.39	Used
MW-230M1	8/2/2004	868,868	259,365	-19.51	0.86 J	8.42	Used
MW-230M1	10/19/2004	868,860	259,339	-18.14	0.81 J	8.20	Used
MW-230M1	2/24/2005	868,849	259,296	-16.47	0.622 J	7.85	Used
MW-234	8/8/2002	868,823	259,835	-18.05	1.21	10.40	Used
MW-234	8/9/2002	868,802	259,783	-32.49	0.61 J	10.40	Used
MW-234	8/12/2002	868,755	259,726	-36.20	4.61	10.39	Used
MW-234M1	10/16/2002	868,782	259,744	-33.44	1.3	10.21	Used
MW-234M1	3/7/2003	868,768	259,682	-30.52	0.96 J	9.82	Used
MW-234M1	6/30/2003	868,739	259,626	-29.76	0.64 J	9.51	Used
MW-234M1	5/12/2004	868,724	259,530	-25.70	3.6	8.64	Used
MW-234M1	8/2/2004	868,716	259,501	-24.51	3.2 J	8.42	Used
MW-234M1	10/19/2004	868,710	259,473	-23.26	2.4 J	8.20	Used
MW-234M1	3/10/2005	868,698	259,421	-20.51	2	7.81	Used
MW-234M1	5/16/2005	868,693	259,396	-19.04	2.5 J	7.63	Used
MW-234M1	11/7/2005	868,681	259,328	-15.32	3.1	7.15	Used
MW-234M1	1/30/2006	868,674	259,292	-13.63	3.7	6.92	Used
MW-234M1	9/13/2006	868,660	259,235	-6.06	1.9	6.30	Used
MW-234M1	10/2/2007	868,622	259,108	0.28	2.82 J	5.25	Used
MW-234M1	9/22/2008	868,588	258,997	2.98	3.56	4.28	Used
MW-234M2	3/10/2003	868,797	259,736	-18.27	0.57 J	9.82	Used
MW-234M2	10/2/2007	868,626	259,124	17.04	1.2 J	5.25	Used
MW-234M2	9/23/2008	868,592	259,009	22.65	0.708 J	4.27	Used
MW-263	3/11/2003	868,746	259,997	-14.08	1 U	9.81	Used

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-263	3/11/2003	868,696	259,876	-23.00	1 U	9.81	Used
MW-263	3/11/2003	868,667	259,839	-25.06	1 U	9.81	Used
MW-263	3/11/2003	868,674	259,891	-35.11	1 U	9.81	Used
MW-263	3/11/2003	868,633	259,754	-36.50	1 U	9.81	Used
MW-263M2	5/22/2003	868,738	259,966	-12.57	3.71	9.62	Used
MW-263M2	8/25/2003	868,728	259,924	-11.29	8.7	9.36	Used
MW-263M2	12/22/2003	868,713	259,884	-7.90	15 J	9.03	Used
MW-263M2	8/2/2004	868,686	259,791	-0.36	4 J	8.42	Used
MW-263M2	10/26/2004	868,674	259,756	1.52	0.82 J	8.18	Used
MW-263M2	3/4/2005	868,658	259,702	4.85	1.07	7.83	Used
MW-263M2	5/16/2005	868,649	259,672	5.89	1.2	7.63	Used
MW-263M2	11/7/2005	868,625	259,604	8.53	1.4	7.15	Used
MW-263M2	2/1/2006	868,614	259,571	9.83	1.6	6.92	Used
MW-289	8/15/2003	868,945	260,420	-48.26	170	9.38	Used
MW-289	8/18/2003	868,932	260,445	-56.74	2.8	9.37	Used
MW-289	8/18/2003	868,890	260,319	-61.20	2.8	9.37	Used
MW-289	8/18/2003	868,843	260,176	-69.57	2.8	9.37	Used
MW-289	8/20/2003	868,752	260,070	-136.10	1.8	9.37	Used
MW-289	8/20/2003	868,744	260,032	-145.12	1.8	9.37	Used
MW-289	8/20/2003	868,736	259,991	-154.66	1.8	9.37	Used
MW-289M1	9/18/2003	868,743	260,028	-144.90	24	9.29	Used
MW-289M1	3/31/2004	868,735	259,983	-144.93	6.9	8.76	Used
MW-289M1	7/29/2004	868,730	259,955	-144.94	9.2	8.43	Used
MW-289M1	2/16/2005	868,721	259,908	-145.32	8.2 J	7.87	Used
MW-289M1	5/31/2005	868,717	259,884	-145.23	5.5	7.59	Used
MW-289M1	8/23/2005	868,715	259,865	-145.32	3.5	7.36	Used
MW-289M1	2/3/2006	868,710	259,829	-145.06	2.5	6.91	Used
MW-289M1	9/20/2006	868,703	259,778	-144.61	2.6	6.28	Used
MW-289M1	10/10/2007	868,691	259,688	-143.65	1.77 J	5.23	Used
MW-289M1	10/1/2008	868,679	259,606	-143.06	0.565 J	4.25	Used
MW-289M1	8/17/2009	868,666	259,539	-142.83	0.519 J	3.38	Used
MW-289M1	8/24/2010	868,650	259,466	-142.69	0.618	2.36	Used
MW-289M2	2/17/2005	868,987	260,475	-41.98	50 J	7.87	Used
MW-289M2	5/31/2005	868,959	260,403	-40.26	17	7.59	Used
MW-289M2	8/22/2005	868,941	260,354	-39.49	14.8	7.36	Used
MW-289M2	2/3/2006	868,912	260,266	-38.63	12.5	6.91	Used
MW-289M2	9/20/2006	868,879	260,153	-37.70	7.4	6.28	Used
MW-289M2	10/11/2007	868,833	259,981	-35.26	3.66	5.23	Used
MW-289M2	10/2/2008	868,798	259,836	-32.48	3.6	4.25	Used
MW-289M2	8/17/2009	868,764	259,718	-28.06	2.36	3.38	Used
MW-289M2	8/24/2010	868,724	259,590	-20.89	2.78	2.36	Used
MW-289M2	9/16/2011	868,685	259,459	-11.98	3.61	1.30	Used
MW-289M2	6/25/2012	868,650	259,366	-1.07	2.78	0.52	Used
MW-292	9/5/2003	869,189	260,522	-38.44	0.79	9.33	Used
MW-292	9/5/2003	869,175	260,544	-43.92	0.79	9.33	Used
MW-292	9/5/2003	869,191	260,491	-48.08	0.79	9.33	Used
MW-292	9/9/2003	868,994	259,842	-144.11	2.1	9.31	Used
MW-292M2	10/10/2003	869,193	260,507	-37.84	1.1	9.23	Used
MW-292M2	6/24/2004	869,200	260,339	-33.96	0.5 J	8.52	Used
MW-292M2	9/20/2004	869,195	260,288	-33.25	0.5 J	8.28	Used
MW-293M2	8/12/2009	869,417	262,078	-57.91	1.46	3.39	Used
MW-296M1	9/16/2011	869,598	264,035	-87.62	0.584	1.30	Used
MW-296M1	7/12/2012	869,497	263,865	-82.05	3.05	0.47	Used
MW-300M2	8/18/2009	869,525	261,931	-54.54	0.519 J	3.37	Used
MW-302M2	3/9/2004	869,587	262,660	-87.05	6.9	8.82	Used
MW-302M2	7/12/2004	869,580	262,603	-82.49	9.3	8.47	Used
MW-302M2	11/15/2004	869,584	262,445	-73.37	11	8.13	Used
MW-305M1	9/24/2008	869,688	262,036	-61.10	6.19	4.27	Used
MW-305M1	8/6/2009	869,734	261,742	-46.17	1.93	3.41	Used
MW-313M2	6/29/2004	870,730	265,955	-53.35	8.2	8.51	Used
MW-313M2	9/13/2011	870,135	263,903	-41.08	8.01	1.30	Used
MW-313M2	2/15/2012	870,118	263,707	-36.83	11.9	0.88	Used
MW-313M2	7/12/2012	870,080	263,547	-34.39	12.3	0.47	Used
MW-322	3/17/2004	870,890	262,413	-66.87	0.63 J	8.79	Used
MW-322	3/17/2004	870,799	262,170	-71.83	0.63 J	8.79	Used
MW-322	3/18/2004	870,740	262,023	-78.63	0.53 J	8.79	Used
MW-322	3/18/2004	870,688	261,899	-84.71	0.53 J	8.79	Used
MW-322	3/18/2004	870,670	261,845	-90.29	0.53 J	8.79	Used
MW-322	3/18/2004	870,656	261,801	-95.95	0.53 J	8.79	Used
MW-322M1	6/22/2004	870,654	261,816	-90.19	1.4	8.53	Used
MW-322M1	10/20/2004	870,633	261,777	-91.01	1.5	8.20	Used
MW-322M1	2/23/2005	870,610	261,738	-91.95	1.4	7.85	Used

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-322M1	11/4/2005	870,554	261,651	-94.16	1	7.16	Used
MW-322M1	1/18/2006	870,537	261,626	-95.31	1.1	6.95	Used
MW-322M1	3/13/2006	870,523	261,612	-95.18	1.3	6.81	Used
MW-322M1	9/27/2006	870,465	261,517	-99.19	1.5	6.26	Used
MW-322M1	3/22/2007	870,442	261,449	-98.71	1.47	5.78	Used
MW-322M1	9/27/2007	870,414	261,375	-98.37	1.75	5.26	Used
MW-322M1	3/6/2008	870,388	261,311	-98.12	2.94	4.82	Used
MW-322M1	9/11/2008	870,360	261,232	-98.00	2.5	4.31	Used
MW-322M1	2/10/2009	870,346	261,168	-97.43	1.42	3.89	Used
MW-322M1	8/13/2009	870,329	261,090	-96.54	0.888 J	3.39	Used
MW-322M1	2/9/2010	870,314	261,013	-95.39	0.825	2.89	Used
MW-322M1	8/26/2010	870,297	260,928	-93.64	0.388	2.35	Used
84MW0005	3/30/2004	872,992	265,862	-84.70	1 U	8.76	Deleted
BH-585	9/11/2012	868,892	260,366	19.20	0.046 J	0.30	Deleted
BH-585	9/11/2012	868,892	260,366	9.39	0.046 J	0.30	Deleted
BH-585	9/11/2012	868,892	260,365	-0.40	0.046 J	0.30	Deleted
BH-585	9/13/2012	868,881	260,339	-78.20	65.6	0.30	Deleted
BH-585	9/13/2012	868,880	260,336	-88.34	65.6	0.30	Deleted
BH-585	9/13/2012	868,869	260,309	-98.55	65.6	0.30	Deleted
BH-585	9/14/2012	868,869	260,309	-108.59	0.023 J	0.30	Deleted
BH-585	9/14/2012	868,869	260,308	-118.60	0.023 J	0.30	Deleted
BH-585	9/17/2012	868,874	260,334	-128.51	0.045 J	0.29	Deleted
BH-585	9/17/2012	868,874	260,333	-138.47	0.045 J	0.29	Deleted
BH-585	9/19/2012	868,874	260,331	-148.44	0.056 J	0.28	Deleted
BH-586	9/21/2012	869,205	260,975	15.59	0.11 J	0.28	Deleted
BH-586	9/21/2012	869,204	260,974	5.76	0.11 J	0.28	Deleted
BH-586	9/21/2012	869,204	260,973	-4.06	0.11 J	0.28	Deleted
BH-586	9/21/2012	869,203	260,972	-13.85	0.11 J	0.28	Deleted
BH-586	9/21/2012	869,203	260,971	-23.63	0.11 J	0.28	Deleted
BH-586	9/24/2012	869,197	260,954	-62.68	1.92	0.27	Deleted
BH-586	9/25/2012	869,197	260,951	-72.53	0.044 J	0.27	Deleted
BH-586	9/25/2012	869,189	260,932	-82.62	0.044 J	0.27	Deleted
BH-586	9/25/2012	869,189	260,932	-92.59	0.044 J	0.27	Deleted
BH-586	9/26/2012	869,189	260,932	-102.59	0.14 J	0.26	Deleted
BH-586	9/27/2012	869,189	260,932	-112.60	0.095 J	0.26	Deleted
BH-586	9/28/2012	869,189	260,932	-122.59	0.096 J	0.26	Deleted
BH-586	10/1/2012	869,194	260,956	-132.58	0.028 J	0.25	Deleted
BH-586	10/1/2012	869,194	260,954	-142.56	0.028 J	0.25	Deleted
BH-586	10/2/2012	869,194	260,953	-152.54	0.025 J	0.25	Deleted
BH-586	10/2/2012	869,188	260,930	-161.51	0.025 J	0.25	Deleted
BH-587	8/3/2012	869,498	261,878	6.74	0.062 J	0.41	Deleted
BH-587	8/3/2012	869,500	261,908	-12.75	0.062 J	0.41	Deleted
BH-587	8/3/2012	869,508	261,962	-19.25	0.062 J	0.41	Deleted
BH-587	8/3/2012	869,521	261,998	-26.57	0.062 J	0.41	Deleted
BH-587	8/3/2012	869,521	261,998	-33.75	0.062 J	0.41	Deleted
BH-587	8/27/2012	869,482	261,873	-71.31	18.5	0.35	Deleted
BH-587	8/28/2012	869,481	261,869	-79.03	0.047 J	0.34	Deleted
BH-587	8/28/2012	869,452	261,781	-88.48	0.047 J	0.34	Deleted
BH-587	8/29/2012	869,451	261,779	-98.37	0.037 J	0.34	Deleted
BH-587	8/29/2012	869,451	261,778	-108.32	0.037 J	0.34	Deleted
BH-587	8/30/2012	869,450	261,775	-118.31	0.04 J	0.34	Deleted
C4-A	5/4/2004	872,272	271,759	-81.04	1 U	8.66	Deleted
C4-A	7/20/2004	872,194	271,415	-94.60	1 U	8.45	Deleted
C4-A	7/20/2004	872,215	271,508	-87.62	1 U	8.45	Deleted
C4-A	7/20/2004	872,235	271,594	-80.59	1 U	8.45	Deleted
C4-A	7/21/2004	872,253	271,674	-73.48	1 U	8.45	Deleted
C4-A	7/21/2004	872,271	271,754	-66.48	1 U	8.45	Deleted
C4-B	4/9/2004	872,111	271,098	-119.47	1 U	8.73	Deleted
C4-B	7/28/2004	872,006	270,682	-129.94	1 U	8.43	Deleted
C4-B	7/28/2004	872,047	270,841	-122.80	1 U	8.43	Deleted
C4-B	7/28/2004	872,087	270,998	-115.49	1 U	8.43	Deleted
C4-B	7/28/2004	872,125	271,156	-108.70	1 U	8.43	Deleted
C4-C	4/9/2004	871,551	267,581	-150.65	1 U	8.73	Deleted
C4-C	7/29/2004	871,574	267,656	-163.47	1 U	8.43	Deleted
C4-C	7/29/2004	871,567	267,640	-158.83	1 U	8.43	Deleted
C4-C	7/29/2004	871,701	269,284	-155.21	1 U	8.43	Deleted
C4-C	7/30/2004	871,915	270,274	-145.81	1 U	8.42	Deleted
C5-B	4/12/2004	870,243	272,073	-89.76	1 U	8.72	Deleted
C5-C	4/12/2004	869,001	269,957	-115.46	1 U	8.72	Deleted
C6-C	4/12/2004	869,384	269,711	-121.35	1 U	8.72	Deleted
C7-C	4/9/2004	871,132	269,912	-111.50	1 U	8.73	Deleted
C7-C	7/26/2004	870,681	268,212	-158.39	1 U	8.43	Deleted

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
C7-C	7/27/2004	870,891	269,049	-125.75	1 U	8.43	Deleted
C7-C	7/27/2004	871,349	270,640	-102.05	1 U	8.43	Deleted
DP-501	9/10/2008	867,525	259,782	35.61	0.2 U	4.31	Deleted
DP-501	9/10/2008	867,525	259,775	26.80	0.2 U	4.31	Deleted
DP-501	9/10/2008	867,525	259,769	19.86	0.2 U	4.31	Deleted
DP-502	10/14/2008	868,169	259,149	30.98	1 U	4.21	Deleted
DP-502	10/15/2008	868,169	259,146	27.34	1 U	4.21	Deleted
DP-502	10/15/2008	868,167	259,141	19.99	1 U	4.21	Deleted
DP-509	10/15/2008	867,406	259,886	35.16	1 U	4.21	Deleted
DP-509	10/15/2008	867,406	259,879	26.82	1 U	4.21	Deleted
DP-509	10/16/2008	867,406	259,873	19.49	1.9	4.21	Deleted
DP-510	10/16/2008	867,658	259,682	37.76	1 U	4.21	Deleted
DP-510	10/16/2008	867,657	259,674	27.96	1 U	4.21	Deleted
DP-510	10/16/2008	867,657	259,669	20.72	1 U	4.21	Deleted
DP-511	10/17/2008	867,887	259,339	35.15	1 U	4.21	Deleted
DP-511	10/17/2008	867,886	259,333	26.97	1 U	4.21	Deleted
DP-511	10/17/2008	867,885	259,328	19.67	1 U	4.21	Deleted
DP-519	11/14/2008	867,615	263,011	52.85	1 U	4.13	Deleted
DP-519	11/14/2008	867,609	262,981	26.18	1 U	4.13	Deleted
DP-519	11/14/2008	867,607	262,970	18.91	1 U	4.13	Deleted
DP-519	11/14/2008	867,605	262,959	11.63	1 U	4.13	Deleted
DP-519	11/17/2008	867,603	262,946	4.33	1 U	4.12	Deleted
DP-519	11/17/2008	867,601	262,934	-3.01	1 U	4.12	Deleted
DP-519	11/17/2008	867,598	262,919	-10.42	1 U	4.12	Deleted
DP-519	11/24/2008	867,594	262,893	-17.07	1 U	4.10	Deleted
J2EW1-MW1-A	10/16/2007	869,391	261,591	-24.46	1 U	5.21	Deleted
J2EW1-MW1-A	10/6/2008	869,291	261,320	-20.68	1 U	4.24	Deleted
J2EW1-MW1-A	8/4/2009	869,222	261,143	-17.77	1 U	3.41	Deleted
J2EW1-MW1-A	9/8/2010	869,144	260,953	-13.15	0.0209 J	2.31	Deleted
J2EW1-MW1-A	7/16/2012	869,016	260,758	14.03	0.036 J	0.46	Deleted
J2EW2-MW1-A	10/17/2007	869,870	263,264	-7.86	1 UJ	5.21	Deleted
J2EW2-MW1-A	10/7/2008	869,818	263,091	-6.24	1 U	4.23	Deleted
J2EW2-MW1-A	8/10/2009	869,815	263,080	-2.63	1 U	3.39	Deleted
J2EW2-MW1-A	8/31/2010	869,731	262,804	1.74	0.0278 J	2.34	Deleted
J2EW2-MW2-A	10/16/2007	870,051	263,333	-28.93	1 U	5.21	Deleted
J2EW2-MW2-A	10/7/2008	869,986	263,053	-28.47	1 U	4.23	Deleted
J2EW2-MW2-A	8/6/2009	869,933	262,844	-28.14	1 U	3.40	Deleted
J2EW2-MW2-A	8/30/2010	869,879	262,611	-24.97	0.0237 J	2.34	Deleted
J2EW2-MW2-A	6/27/2012	869,822	262,271	26.17	0.037 J	0.51	Deleted
J2EW2-MW3-A	10/2/2008	870,006	263,644	-5.54	1 U	4.25	Deleted
J2EW2-MW3-A	8/7/2009	869,911	263,338	-2.63	1 U	3.40	Deleted
J2EW2-MW3-A	9/7/2010	869,815	263,016	3.86	0.0417 J	2.32	Deleted
J2EW2-MW3-C	9/7/2010	869,622	262,373	-71.93	0.0229 J	2.32	Deleted
J2EW2-MW3-C	9/7/2011	869,633	262,424	-71.71	0.021 J	1.32	Deleted
J2EW2-MW3-C	6/28/2012	869,632	262,443	-69.70	0.027 J	0.51	Deleted
J2EW3-MW-2-A	11/22/2006	870,999	266,953	-7.61	1 U	6.11	Deleted
J2EW3-MW-2-A	10/4/2007	870,898	266,511	-3.86	1 UJ	5.24	Deleted
J2EW3-MW-2-A	9/30/2008	870,784	266,053	2.83	1 U	4.25	Deleted
J2EW3-MW-2-A	8/11/2009	870,675	265,649	12.30	1 U	3.39	Deleted
J2EW3-MW-2-A	8/26/2010	870,543	265,190	18.33	0.05 U	2.35	Deleted
J2EW3-MW-2-B	10/12/2007	870,827	266,217	-53.61	4.87	5.22	Deleted
J2EW3-MW-2-B	2/12/2009	870,679	265,674	-35.41	1 U	3.88	Deleted
J2EW3-MW-2-B	8/12/2009	870,621	265,470	-34.80	1 U	3.39	Deleted
J2EW3-MW-2-B	2/11/2010	870,564	265,271	-33.79	0.0333 J	2.89	Deleted
J2EW3-MW-2-B	8/26/2010	870,503	265,065	-34.24	0.05 U	2.35	Deleted
J2EW3-MW-2-B	2/15/2011	870,459	264,911	-40.45	0.02 J	1.88	Deleted
J2EW3-MW-2-B	9/8/2011	870,408	264,738	-40.17	0.026 J	1.32	Deleted
J2EW3-MW-2-B	2/13/2012	870,369	264,608	-37.70	0.05 U	0.88	Deleted
J2EW3-MW-2-B	6/28/2012	870,336	264,499	-36.03	0.027 J	0.51	Deleted
J2EW3-MW-2-C	11/21/2006	870,515	265,121	-59.96	1 U	6.11	Deleted
MW-05M1	8/3/2000	868,786	267,500	-43.71	5 U	12.41	Deleted
MW-05M1	7/25/2001	868,645	267,147	-40.19	5 U	11.44	Deleted
MW-05M1	9/17/2002	868,482	266,652	-38.77	1 U	10.29	Deleted
MW-05M1	6/6/2003	868,390	266,365	-40.05	1 U	9.57	Deleted
MW-05M1	11/20/2003	868,336	266,186	-38.78	1 U	9.12	Deleted
MW-05M1	1/14/2004	868,320	266,129	-38.85	1 U	8.96	Deleted
MW-05M1	9/2/2004	868,249	265,893	-39.10	1 U	8.33	Deleted
MW-05M1	11/17/2005	868,126	265,468	-40.19	1 U	7.12	Deleted
MW-05M1	10/31/2008	867,861	264,523	-34.51	1 U	4.17	Deleted
MW-117S	10/20/2000	868,964	259,249	-19.08	5 UJ	12.20	Deleted
MW-117S	2/13/2001	868,954	259,208	-17.15	5 U	11.88	Deleted
MW-117S	6/5/2001	868,944	259,171	-14.97	5 U	11.57	Deleted

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-117S	6/19/2003	868,874	258,933	-3.55	1 U	9.54	Deleted
MW-119S	10/20/2000	868,487	259,595	-7.37	5 UJ	12.20	Deleted
MW-119S	2/16/2001	868,476	259,552	-6.64	5 U	11.87	Deleted
MW-119S	6/5/2001	868,466	259,512	-5.77	5 U	11.57	Deleted
MW-119S	10/30/2004	868,353	259,084	12.82	1 U	8.17	Deleted
MW-119S	9/27/2005	868,326	258,976	16.92	1 U	7.26	Deleted
MW-130D	12/11/2000	868,280	258,637	-155.11	5 U	12.06	Deleted
MW-130D	2/14/2001	868,279	258,631	-155.20	5 U	11.88	Deleted
MW-130D	6/11/2001	868,276	258,621	-155.36	5 UJ	11.56	Deleted
MW-130D	8/27/2002	868,270	258,589	-154.62	1 UJ	10.35	Deleted
MW-130D	11/10/2003	868,274	258,577	-157.96	1 U	9.14	Deleted
MW-130D	11/5/2005	868,278	258,538	-158.78	1 U	7.15	Deleted
MW-130D	10/4/2006	868,281	258,519	-157.30	1 U	6.24	Deleted
MW-130D	9/18/2008	868,286	258,481	-155.58	1 U	4.29	Deleted
MW-130D	9/2/2010	868,295	258,449	-153.07	0.0338 J	2.33	Deleted
MW-130D	7/10/2012	868,293	258,421	-150.60	0.012 J	0.48	Deleted
MW-130M1	12/11/2000	868,573	259,232	-33.79	5 U	12.06	Deleted
MW-130M1	2/14/2001	868,571	259,229	-34.50	5 U	11.88	Deleted
MW-130M1	6/11/2001	868,567	259,223	-35.16	5 UJ	11.56	Deleted
MW-130M1	7/10/2002	868,556	259,202	-34.69	1 U	10.48	Deleted
MW-130M1	8/26/2002	868,555	259,199	-34.61	1 U	10.35	Deleted
MW-130M1	1/8/2003	868,551	259,188	-34.15	1 U	9.98	Deleted
MW-130M1	8/27/2003	868,536	259,153	-33.74	1 U	9.35	Deleted
MW-130M1	3/10/2004	868,514	259,115	-31.71	1 U	8.81	Deleted
MW-130M1	8/2/2004	868,500	259,078	-28.41	1 U	8.41	Deleted
MW-130M1	11/17/2004	868,490	259,048	-25.90	1 UJ	8.12	Deleted
MW-130M1	5/31/2005	868,477	258,988	-22.34	1 U	7.59	Deleted
MW-130M1	11/5/2005	868,469	258,933	-19.82	1 U	7.15	Deleted
MW-130M1	9/19/2006	868,463	258,866	-14.95	1 U	6.28	Deleted
MW-130M1	9/28/2007	868,469	258,878	-25.20	1 U	5.26	Deleted
MW-130M1	9/18/2008	868,453	258,779	-15.75	0.588 J	4.29	Deleted
MW-130M1	8/17/2009	868,427	258,727	-5.23	0.357 J	3.37	Deleted
MW-130M1	9/2/2010	868,378	258,628	-3.17	0.387	2.33	Deleted
MW-130M1	9/14/2011	868,338	258,534	0.88	0.138	1.30	Deleted
MW-130M1	7/10/2012	868,308	258,459	6.22	0.066	0.48	Deleted
MW-130S	12/11/2000	868,756	259,850	-24.16	5 U	12.06	Deleted
MW-130S	9/28/2007	868,504	258,951	24.83	1 U	5.26	Deleted
MW-130S	9/18/2008	868,469	258,844	32.12	1 U	4.29	Deleted
MW-130S	8/17/2009	868,428	258,750	39.04	0	3.37	Deleted
MW-130S	9/2/2010	868,383	258,645	46.96	0.202	2.33	Deleted
MW-130S	9/14/2011	868,341	258,544	55.31	0.184	1.30	Deleted
MW-130S	7/10/2012	868,309	258,463	62.49	0.178	0.48	Deleted
MW-18M1	7/1/2002	873,881	271,571	-111.73	1 U	10.50	Deleted
MW-18M1	9/30/2002	873,875	271,409	-111.36	1 U	10.25	Deleted
MW-18M1	6/26/2003	873,845	270,943	-109.95	1 U	9.52	Deleted
MW-18M1	10/9/2003	873,830	270,769	-109.60	1 U	9.23	Deleted
MW-18M1	1/5/2004	873,817	270,627	-109.08	1 UJ	8.99	Deleted
MW-18M1	8/17/2004	873,780	270,276	-108.21	1 UJ	8.37	Deleted
MW-18M1	9/23/2005	873,708	269,690	-106.19	1 U	7.27	Deleted
MW-18M2	7/1/2002	873,868	272,518	-74.44	1 U	10.50	Deleted
MW-18M2	9/30/2002	873,881	272,326	-73.53	1 U	10.25	Deleted
MW-18M2	10/9/2003	873,885	271,567	-69.23	1 U	9.23	Deleted
MW-18M2	8/17/2004	873,851	270,977	-65.07	1 UJ	8.37	Deleted
MW-18M2	9/23/2005	873,784	270,282	-59.45	1 U	7.27	Deleted
MW-229M1	9/5/2002	868,341	259,593	-131.97	1 U	10.32	Deleted
MW-229M1	2/13/2003	868,335	259,558	-131.80	1 U	9.88	Deleted
MW-229M1	8/13/2003	868,330	259,518	-131.21	1 U	9.39	Deleted
MW-229M1	10/26/2004	868,316	259,427	-130.67	1 UJ	8.18	Deleted
MW-229M1	8/31/2005	868,308	259,364	-130.48	1 U	7.34	Deleted
MW-229M1	2/3/2006	868,303	259,333	-130.21	1 U	6.91	Deleted
MW-229M1	9/13/2006	868,297	259,289	-129.86	1 U	6.30	Deleted
MW-229M1	10/1/2008	868,276	259,150	-128.55	1 U	4.25	Deleted
MW-229M1	8/24/2010	868,253	259,031	-127.29	0.05 U	2.36	Deleted
MW-229M1	7/17/2012	868,228	258,934	-118.31	0.05 U	0.46	Deleted
MW-229M2	9/6/2002	868,490	259,886	-47.20	1 U	10.32	Deleted
MW-229M2	2/14/2003	868,483	259,863	-46.02	1 U	9.88	Deleted
MW-229M2	8/13/2003	868,476	259,838	-45.38	1 U	9.39	Deleted
MW-229M2	6/24/2004	868,474	259,807	-45.15	1 U	8.52	Deleted
MW-229M2	10/26/2004	868,473	259,794	-44.85	1 UJ	8.18	Deleted
MW-229M2	2/14/2005	868,471	259,781	-44.89	1 U	7.88	Deleted
MW-229M2	5/31/2005	868,469	259,759	-44.83	1 U	7.59	Deleted
MW-229M2	8/31/2005	868,464	259,728	-44.82	1 U	7.34	Deleted

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-229M2	12/12/2005	868,457	259,692	-44.78	1 U	7.05	Deleted
MW-229M2	9/13/2006	868,435	259,601	-43.61	1 U	6.30	Deleted
MW-229M2	9/28/2007	868,402	259,480	-41.39	1 U	5.26	Deleted
MW-229M2	10/1/2008	868,369	259,369	-39.22	1 U	4.25	Deleted
MW-229M2	8/11/2009	868,336	259,278	-34.45	0	3.39	Deleted
MW-229M2	8/24/2010	868,297	259,167	-32.47	0.0398 J	2.36	Deleted
MW-229M2	7/17/2012	868,243	258,972	-32.74	0.043 J	0.46	Deleted
MW-229M3	9/6/2002	868,664	260,325	-14.44	1 U	10.32	Deleted
MW-229M3	2/13/2003	868,648	260,251	-7.48	0.53 J	9.88	Deleted
MW-229M3	8/13/2003	868,610	260,169	-4.45	0.65 J	9.39	Deleted
MW-229M3	6/24/2004	868,557	260,031	-5.67	0.58 J	8.52	Deleted
MW-229M3	10/26/2004	868,540	259,979	-5.24	1 UJ	8.18	Deleted
MW-229M3	2/14/2005	868,526	259,932	-4.33	1 U	7.88	Deleted
MW-229M3	5/31/2005	868,513	259,888	-3.26	1 U	7.59	Deleted
MW-229M3	8/31/2005	868,502	259,849	-2.30	0.35 J	7.34	Deleted
MW-229M3	12/12/2005	868,491	259,806	-1.53	1 U	7.05	Deleted
MW-229M3	9/21/2006	868,461	259,693	-0.17	1 U	6.28	Deleted
MW-229M3	8/11/2009	868,358	259,319	12.43	0	3.39	Deleted
MW-229M3	8/24/2010	868,317	259,196	18.97	0.07	2.36	Deleted
MW-229M3	9/14/2011	868,276	259,073	24.98	0.052	1.30	Deleted
MW-229M3	7/17/2012	868,246	258,979	29.63	0.076	0.46	Deleted
MW-229M4	9/6/2002	868,698	260,362	-6.29	1 U	10.32	Deleted
MW-229M4	2/13/2003	868,666	260,286	-0.44	1 U	9.88	Deleted
MW-229M4	12/2/2003	868,604	260,150	5.86	1 U	9.08	Deleted
MW-229M4	6/24/2004	868,569	260,059	6.76	1 U	8.52	Deleted
MW-229M4	10/26/2004	868,550	260,005	7.67	1 UJ	8.18	Deleted
MW-229M4	2/14/2005	868,535	259,957	8.80	1 U	7.88	Deleted
MW-229M4	5/31/2005	868,521	259,912	10.09	1 U	7.59	Deleted
MW-229M4	9/27/2005	868,507	259,861	11.51	1 U	7.26	Deleted
MW-229M4	12/12/2005	868,497	259,828	12.45	1 U	7.05	Deleted
MW-229M4	9/21/2006	868,466	259,712	15.18	1 U	6.28	Deleted
MW-229M4	10/1/2007	868,430	259,567	19.67	1 UJ	5.25	Deleted
MW-229M4	10/1/2008	868,395	259,433	25.26	1 U	4.25	Deleted
MW-229M4	8/11/2009	868,360	259,328	31.08	0	3.39	Deleted
MW-229M4	8/24/2010	868,318	259,202	38.65	0.0408 J	2.36	Deleted
MW-229M4	7/17/2012	868,246	258,980	52.63	0.062	0.46	Deleted
MW-230	7/9/2002	868,956	259,694	-13.42	1 U	10.48	Deleted
MW-230	7/9/2002	868,948	259,668	-19.68	1 U	10.48	Deleted
MW-230	7/10/2002	868,935	259,632	-32.91	0.38 J	10.48	Deleted
MW-230	7/10/2002	868,927	259,607	-39.46	0.38 J	10.48	Deleted
MW-230	7/10/2002	868,918	259,582	-46.36	0.38 J	10.48	Deleted
MW-230	7/10/2002	868,895	259,501	-52.32	0.38 J	10.48	Deleted
MW-230	7/10/2002	868,882	259,477	-57.99	0.38 J	10.48	Deleted
MW-230	7/10/2002	868,850	259,385	-65.12	0.38 J	10.48	Deleted
MW-230	7/10/2002	868,824	259,302	-71.52	0.38 J	10.48	Deleted
MW-230	7/10/2002	868,798	259,220	-78.42	0.38 J	10.48	Deleted
MW-230	7/10/2002	868,769	259,128	-85.80	0.38 J	10.48	Deleted
MW-230	7/10/2002	868,752	259,073	-92.97	0.38 J	10.48	Deleted
MW-230	7/11/2002	868,742	259,044	-100.77	1 U	10.48	Deleted
MW-230	7/11/2002	868,729	259,009	-108.18	1 U	10.48	Deleted
MW-230	7/12/2002	868,694	258,913	-132.31	1 U	10.47	Deleted
MW-230	7/12/2002	868,632	258,900	-138.70	1 U	10.47	Deleted
MW-230	7/15/2002	868,661	258,894	-144.15	1 U	10.46	Deleted
MW-230	7/15/2002	868,654	258,882	-148.95	1 U	10.46	Deleted
MW-230	7/15/2002	868,650	258,886	-150.99	1 U	10.46	Deleted
MW-230	7/15/2002	868,638	258,862	-154.67	1 U	10.46	Deleted
MW-230	7/16/2002	868,623	258,771	-160.65	1 U	10.46	Deleted
MW-230	7/16/2002	868,623	258,783	-162.63	1 U	10.46	Deleted
MW-230	7/17/2002	868,564	258,475	-169.33	1 U	10.46	Deleted
MW-230M1	5/31/2005	868,840	259,264	-15.20	1 UJ	7.59	Deleted
MW-230M1	11/14/2005	868,824	259,206	-12.62	1 U	7.13	Deleted
MW-230M1	1/31/2006	868,816	259,180	-11.54	1 U	6.92	Deleted
MW-230M1	9/27/2006	868,794	259,100	-8.54	1 U	6.26	Deleted
MW-230M1	9/28/2007	868,762	258,984	-0.50	1 U	5.26	Deleted
MW-230M1	9/18/2008	868,730	258,878	5.08	1 U	4.29	Deleted
MW-230M1	8/14/2009	868,693	258,785	10.80	0	3.38	Deleted
MW-230M1	9/1/2010	868,650	258,680	18.06	0.585	2.33	Deleted
MW-230M1	9/14/2011	868,609	258,578	25.86	0.114	1.30	Deleted
MW-230M1	7/10/2012	868,577	258,498	32.91	0.341	0.48	Deleted
MW-230M2	8/28/2002	868,948	259,665	-16.07	1 U	10.34	Deleted
MW-230M2	2/14/2003	868,930	259,598	-13.66	1 U	9.88	Deleted
MW-230M2	8/13/2003	868,912	259,529	-11.22	1 U	9.39	Deleted

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-230M2	8/2/2004	868,878	259,398	-5.64	1 UJ	8.41	Deleted
MW-230M2	10/19/2004	868,870	259,369	-4.07	1 UJ	8.20	Deleted
MW-230M2	5/31/2005	868,849	259,289	-0.06	1 UJ	7.59	Deleted
MW-230M2	11/15/2005	868,832	259,229	4.90	1 U	7.13	Deleted
MW-230M2	9/27/2006	868,801	259,118	10.92	1 U	6.26	Deleted
MW-230M2	9/28/2007	868,768	258,997	16.19	1 U	5.26	Deleted
MW-230M2	9/18/2008	868,735	258,887	22.50	1 U	4.29	Deleted
MW-230M2	8/17/2009	868,696	258,791	29.05	1 UJ	3.37	Deleted
MW-230M2	9/1/2010	868,653	258,684	37.12	0.106	2.33	Deleted
MW-230M2	9/14/2011	868,610	258,580	45.57	0.145	1.30	Deleted
MW-230M2	7/10/2012	868,577	258,499	52.82	0.088	0.48	Deleted
MW-234	8/9/2002	868,814	259,814	-25.66	0.61 J	10.40	Deleted
MW-234	8/12/2002	868,732	259,669	-43.09	4.61	10.39	Deleted
MW-234	8/12/2002	868,740	259,638	-48.21	4.61	10.39	Deleted
MW-234	8/12/2002	868,730	259,615	-55.10	4.61	10.39	Deleted
MW-234	8/12/2002	868,679	259,563	-59.22	4.61	10.39	Deleted
MW-234	8/12/2002	868,618	259,259	-66.01	4.61	10.39	Deleted
MW-234	8/12/2002	868,637	259,426	-69.36	4.61	10.39	Deleted
MW-234	8/12/2002	868,625	259,367	-75.56	4.61	10.39	Deleted
MW-234	8/12/2002	868,614	259,275	-85.54	4.61	10.39	Deleted
MW-234	8/12/2002	868,595	259,194	-94.81	4.61	10.39	Deleted
MW-234	8/12/2002	868,597	259,161	-104.96	4.61	10.39	Deleted
MW-234	8/13/2002	868,558	259,125	-126.76	1 U	10.39	Deleted
MW-234	8/13/2002	868,532	259,118	-133.53	1 U	10.39	Deleted
MW-234	8/13/2002	868,502	259,083	-138.72	1 U	10.39	Deleted
MW-234	8/13/2002	868,452	259,062	-136.35	1 U	10.39	Deleted
MW-234	8/13/2002	868,406	258,581	-118.56	1 U	10.39	Deleted
MW-234	8/13/2002	868,411	259,008	-127.23	1 U	10.39	Deleted
MW-234	8/13/2002	868,425	259,055	-138.22	1 U	10.39	Deleted
MW-234	8/14/2002	868,434	259,022	-148.99	1 U	10.38	Deleted
MW-234	8/14/2002	868,437	258,991	-157.64	1 U	10.38	Deleted
MW-234	8/14/2002	868,408	258,599	-167.27	1 U	10.38	Deleted
MW-234M1	8/14/2009	868,553	258,904	9.66	1 U	3.38	Deleted
MW-234M1	8/25/2010	868,509	258,798	19.33	0.331	2.35	Deleted
MW-234M1	9/14/2011	868,463	258,693	28.62	0.127	1.30	Deleted
MW-234M1	7/10/2012	868,427	258,612	35.29	0.082	0.48	Deleted
MW-234M2	10/17/2002	868,811	259,796	-21.00	1 U	10.21	Deleted
MW-234M2	6/30/2003	868,785	259,692	-16.09	1 U	9.51	Deleted
MW-234M2	8/2/2004	868,744	259,540	-8.51	1 UJ	8.41	Deleted
MW-234M2	10/26/2004	868,736	259,508	-6.71	1 UJ	8.18	Deleted
MW-234M2	3/10/2005	868,722	259,458	-3.83	1 U	7.81	Deleted
MW-234M2	5/16/2005	868,716	259,433	-2.48	1 U	7.63	Deleted
MW-234M2	11/7/2005	868,698	259,370	1.99	1 U	7.15	Deleted
MW-234M2	1/30/2006	868,689	259,340	4.34	1 U	6.92	Deleted
MW-234M2	9/13/2006	868,664	259,257	10.42	1 U	6.30	Deleted
MW-234M2	8/14/2009	868,554	258,913	29.44	1 U	3.38	Deleted
MW-234M2	8/25/2010	868,510	258,804	38.53	0.163	2.35	Deleted
MW-234M2	9/14/2011	868,463	258,696	47.74	0.176	1.30	Deleted
MW-234M2	7/10/2012	868,427	258,613	54.81	0.093	0.48	Deleted
MW-263	3/11/2003	868,747	259,990	-6.70	1 U	9.81	Deleted
MW-263	3/11/2003	868,716	259,920	-19.52	1 U	9.81	Deleted
MW-263	3/12/2003	868,624	259,709	-45.85	1 U	9.81	Deleted
MW-263	3/12/2003	868,524	259,243	-47.58	1 U	9.81	Deleted
MW-263	3/13/2003	868,502	259,273	-73.53	1 U	9.81	Deleted
MW-263	3/13/2003	868,463	259,226	-80.18	1 U	9.81	Deleted
MW-263	3/13/2003	868,466	259,307	-91.29	1 U	9.81	Deleted
MW-263	3/13/2003	868,465	259,306	-96.69	1 U	9.81	Deleted
MW-263	3/13/2003	868,456	259,290	-100.29	1 U	9.81	Deleted
MW-263	3/13/2003	868,449	259,274	-103.86	1 U	9.81	Deleted
MW-263	3/13/2003	868,443	259,258	-107.80	1 U	9.81	Deleted
MW-263	3/18/2003	868,351	258,933	-112.13	1 U	9.79	Deleted
MW-263	3/18/2003	868,331	258,751	-116.84	1 U	9.79	Deleted
MW-263	3/19/2003	868,400	259,324	-130.31	1 U	9.79	Deleted
MW-263	3/19/2003	868,398	259,292	-139.72	1 U	9.79	Deleted
MW-263	3/19/2003	868,395	259,257	-149.38	1 U	9.79	Deleted
MW-263	3/19/2003	868,391	259,224	-158.66	1 U	9.79	Deleted
MW-263	3/20/2003	868,336	258,782	-166.54	1 U	9.79	Deleted
MW-263M1	5/22/2003	868,466	259,205	-46.78	0.695 J	9.61	Deleted
MW-263M1	8/25/2003	868,467	259,201	-47.18	0.41 J	9.35	Deleted
MW-263M1	12/22/2003	868,467	259,195	-47.64	1 UJ	9.03	Deleted
MW-263M1	8/2/2004	868,466	259,185	-48.18	1 UJ	8.41	Deleted
MW-263M1	10/26/2004	868,465	259,182	-48.36	1 UJ	8.18	Deleted

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-263M1	3/4/2005	868,463	259,176	-48.65	1 U	7.83	Deleted
MW-263M1	5/16/2005	868,462	259,172	-48.79	1 U	7.63	Deleted
MW-263M1	11/7/2005	868,459	259,161	-49.06	1 U	7.15	Deleted
MW-263M1	2/1/2006	868,455	259,155	-48.55	1 U	6.91	Deleted
MW-289	8/18/2003	868,824	260,099	-76.15	2.8	9.37	Deleted
MW-289	8/18/2003	868,819	260,069	-82.77	2.8	9.37	Deleted
MW-289	8/18/2003	868,814	260,036	-89.32	2.8	9.37	Deleted
MW-289	8/18/2003	868,809	260,005	-95.75	2.8	9.37	Deleted
MW-289	8/19/2003	868,774	259,842	-107.40	0.44	9.37	Deleted
MW-289	8/19/2003	868,646	259,382	-115.25	0.44	9.37	Deleted
MW-289	8/19/2003	868,633	259,380	-125.52	0.44	9.37	Deleted
MW-289	8/20/2003	868,726	259,957	-162.86	1.8	9.37	Deleted
MW-289	8/20/2003	868,622	259,308	-170.78	1.8	9.37	Deleted
MW-289M1	9/16/2011	868,636	259,392	-142.20	0.155	1.29	Deleted
MW-289M1	6/25/2012	868,626	259,339	-141.33	0.093	0.52	Deleted
MW-289S	10/19/2005	869,007	260,491	-1.20	1 U	7.20	Deleted
MW-289S	2/3/2006	868,978	260,411	5.25	1 U	6.91	Deleted
MW-289S	9/20/2006	868,933	260,268	10.46	1 U	6.28	Deleted
MW-289S	10/11/2007	868,875	260,061	16.64	1 U	5.22	Deleted
MW-289S	10/2/2008	868,829	259,889	19.31	1 U	4.25	Deleted
MW-289S	8/18/2009	868,788	259,759	30.69	1 U	3.37	Deleted
MW-289S	8/24/2010	868,738	259,614	38.43	0.025 J	2.36	Deleted
MW-289S	6/25/2012	868,646	259,370	54.65	0.026 J	0.52	Deleted
MW-29	9/6/2000	868,558	259,959	7.70	5 UJ	12.32	Deleted
MW-29	12/14/2000	868,545	259,916	8.74	5 U	12.05	Deleted
MW-29	8/8/2001	868,515	259,815	11.38	5 U	11.40	Deleted
MW-29	12/22/2003	868,425	259,475	20.96	1 UJ	9.03	Deleted
MW-292	9/5/2003	869,187	260,258	-53.74	0.79	9.32	Deleted
MW-292	9/8/2003	869,158	260,087	-63.92	1 U	9.32	Deleted
MW-292	9/8/2003	869,120	259,928	-74.62	1 U	9.32	Deleted
MW-292	9/8/2003	869,104	259,876	-84.84	1 U	9.32	Deleted
MW-292	9/8/2003	869,091	259,842	-95.58	1 U	9.32	Deleted
MW-292	9/8/2003	869,064	259,808	-111.00	1 U	9.32	Deleted
MW-292	9/8/2003	869,035	259,737	-132.30	1 U	9.32	Deleted
MW-292	9/8/2003	869,017	259,723	-137.59	1 U	9.32	Deleted
MW-292	9/8/2003	869,027	259,733	-141.97	1 U	9.32	Deleted
MW-292	9/8/2003	868,907	259,207	-118.62	1 U	9.32	Deleted
MW-292	9/9/2003	868,995	259,776	-154.52	2.1	9.31	Deleted
MW-292	9/9/2003	868,990	259,745	-159.25	2.1	9.31	Deleted
MW-292	9/10/2003	868,958	259,500	-161.48	1 U	9.31	Deleted
MW-292M1	10/10/2003	868,961	259,478	-134.11	0.43 J	9.23	Deleted
MW-292M1	4/1/2004	868,954	259,444	-133.03	1 U	8.75	Deleted
MW-292M1	9/20/2004	868,947	259,410	-131.57	1 U	8.28	Deleted
MW-292M1	5/31/2005	868,927	259,341	-130.48	1 U	7.59	Deleted
MW-292M1	10/19/2005	868,922	259,313	-130.13	1 U	7.20	Deleted
MW-292M1	2/1/2006	868,918	259,293	-129.15	1 U	6.91	Deleted
MW-292M2	5/31/2005	869,174	260,145	-31.37	1 U	7.59	Deleted
MW-292M2	10/19/2005	869,161	260,076	-30.70	1 U	7.20	Deleted
MW-292M2	2/1/2006	869,151	260,026	-29.85	1 U	6.91	Deleted
MW-293M1	2/26/2004	869,026	261,701	-127.83	1 U	8.85	Deleted
MW-293M1	7/1/2004	869,013	261,661	-127.81	1 U	8.50	Deleted
MW-293M1	11/19/2004	868,999	261,617	-127.87	1 U	8.12	Deleted
MW-293M1	11/4/2005	868,938	261,408	-128.46	1 U	7.16	Deleted
MW-293M1	1/18/2006	868,932	261,385	-128.40	1 U	6.95	Deleted
MW-293M1	9/18/2006	868,914	261,314	-128.51	1 U	6.29	Deleted
MW-293M1	10/1/2007	868,902	261,265	-128.40	1 UJ	5.25	Deleted
MW-293M1	9/25/2008	868,900	261,256	-128.31	1 U	4.27	Deleted
MW-293M1	8/12/2009	868,898	261,248	-128.03	1 U	3.39	Deleted
MW-293M1	8/25/2010	868,895	261,238	-127.70	0.0078 J	2.35	Deleted
MW-293M1	9/12/2011	868,893	261,228	-127.59	0.05 U	1.30	Deleted
MW-293M1	7/18/2012	868,891	261,221	-127.34	0.011 J	0.46	Deleted
MW-293M2	8/25/2010	869,176	261,735	-38.19	1.21	2.35	Deleted
MW-293M2	9/12/2011	869,042	261,476	-32.83	0.699	1.30	Deleted
MW-293M2	7/18/2012	868,941	261,301	-29.69	0.476	0.46	Deleted
MW-293S	2/26/2004	869,709	263,181	-43.41	1 U	8.85	Deleted
MW-293S	7/1/2004	869,710	263,240	-32.61	1 U	8.50	Deleted
MW-293S	11/19/2004	869,695	263,148	-33.00	1 U	8.12	Deleted
MW-293S	11/4/2005	869,656	262,932	-29.86	1 U	7.16	Deleted
MW-293S	1/18/2006	869,644	262,867	-29.24	1 U	6.95	Deleted
MW-293S	9/18/2006	869,620	262,745	-21.96	1 U	6.29	Deleted
MW-293S	10/1/2007	869,540	262,589	0.46	1 UJ	5.25	Deleted
MW-293S	9/25/2008	869,440	262,316	14.63	1 U	4.27	Deleted

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-293S	8/12/2009	869,351	262,092	17.17	1 U	3.39	Deleted
MW-293S	8/25/2010	869,231	261,825	36.08	0.0324 J	2.35	Deleted
MW-293S	7/19/2012	868,957	261,312	54.45	0.037 J	0.45	Deleted
MW-296M1	7/15/2004	870,193	265,833	-93.98	1 U	8.46	Deleted
MW-296M1	11/23/2004	870,148	265,689	-93.96	1 U	8.10	Deleted
MW-296M1	3/28/2005	870,120	265,573	-93.90	1 U	7.76	Deleted
MW-296M1	3/8/2006	870,131	265,306	-94.53	1 U	6.82	Deleted
MW-296M1	9/18/2006	870,062	265,087	-93.12	1 U	6.29	Deleted
MW-296M1	3/19/2007	870,023	264,961	-92.47	1 U	5.79	Deleted
MW-296M1	10/4/2007	869,981	264,832	-92.32	1 UJ	5.24	Deleted
MW-296M1	3/10/2008	869,949	264,733	-92.08	1 UJ	4.81	Deleted
MW-296M1	9/24/2008	869,903	264,614	-90.51	1 U	4.27	Deleted
MW-296M1	2/10/2009	869,870	264,533	-90.64	1 U	3.89	Deleted
MW-296M1	8/6/2009	869,821	264,429	-89.22	1 U	3.40	Deleted
MW-296M1	8/24/2010	869,700	264,214	-89.30	0.165	2.36	Deleted
MW-296M2	7/15/2004	870,364	266,486	-71.28	1 U	8.46	Deleted
MW-296M2	11/23/2004	870,340	266,342	-70.36	1 U	8.10	Deleted
MW-296M2	3/28/2005	870,317	266,210	-69.36	1 U	7.76	Deleted
MW-296M2	10/27/2005	870,266	265,977	-67.13	1 U	7.18	Deleted
MW-296M2	3/8/2006	870,216	265,809	-65.43	1 U	6.82	Deleted
MW-296M2	9/19/2006	870,129	265,441	-74.65	0.69 J	6.28	Deleted
MW-296M2	3/20/2007	870,098	265,289	-76.46	0.777 J	5.79	Deleted
MW-296M2	10/18/2007	870,058	265,122	-77.09	1 U	5.21	Deleted
MW-296M2	3/10/2008	870,026	265,015	-76.57	1 UJ	4.81	Deleted
MW-296M2	9/24/2008	869,981	264,872	-75.67	1 U	4.27	Deleted
MW-296M2	2/10/2009	869,948	264,774	-74.82	1 U	3.89	Deleted
MW-296M2	8/6/2009	869,902	264,650	-73.70	1 U	3.40	Deleted
MW-296M2	8/24/2010	869,790	264,398	-71.70	0.0385 J	2.36	Deleted
MW-296M2	9/16/2011	869,637	264,140	-66.85	0.033 J	1.29	Deleted
MW-296M2	7/12/2012	869,493	263,902	-52.90	0.031 J	0.47	Deleted
MW-300	12/2/2003	869,276	261,233	-83.56	4.3	9.08	Deleted
MW-300	12/2/2003	869,272	261,218	-91.47	4.3	9.08	Deleted
MW-300	12/2/2003	869,265	261,200	-101.40	4.3	9.08	Deleted
MW-300	12/2/2003	869,262	261,189	-111.38	4.3	9.08	Deleted
MW-300	12/2/2003	869,264	261,215	-122.12	4.3	9.08	Deleted
MW-300	12/2/2003	869,527	262,243	-129.52	4.3	9.08	Deleted
MW-300	12/3/2003	869,515	262,180	-138.73	1 U	9.08	Deleted
MW-300	12/3/2003	869,501	262,121	-148.50	1 U	9.08	Deleted
MW-300	12/3/2003	869,477	262,032	-159.06	1 U	9.08	Deleted
MW-300	12/3/2003	869,255	261,137	-168.56	1 U	9.08	Deleted
MW-300M1	3/25/2004	869,514	262,201	-127.84	1 U	8.77	Deleted
MW-300M1	7/6/2004	869,505	262,167	-128.15	1 U	8.49	Deleted
MW-300M1	11/4/2004	869,495	262,127	-128.64	1 U	8.16	Deleted
MW-300M1	6/13/2005	869,476	262,053	-129.11	1 U	7.55	Deleted
MW-300M1	10/11/2005	869,466	262,013	-129.39	1 UJ	7.22	Deleted
MW-300M1	1/30/2006	869,457	261,976	-129.72	1 U	6.92	Deleted
MW-300M1	9/25/2006	869,437	261,895	-130.19	1 U	6.27	Deleted
MW-300M1	9/9/2008	869,377	261,630	-131.04	1 U	4.31	Deleted
MW-300M1	9/8/2010	869,304	261,347	-132.85	0.05 U	2.31	Deleted
MW-300M1	7/19/2012	869,245	261,112	-126.90	0.01 J	0.45	Deleted
MW-300M2	9/8/2010	869,419	261,571	-38.75	0.448	2.31	Deleted
MW-300M2	9/12/2011	869,330	261,321	-34.59	0.532	1.30	Deleted
MW-300M2	7/19/2012	869,265	261,143	-32.07	0.495	0.45	Deleted
MW-300M3	9/8/2010	869,445	261,646	13.92	0.0297 J	2.31	Deleted
MW-300M3	7/19/2012	869,269	261,154	27.96	0.036 J	0.45	Deleted
MW-302M1	3/9/2004	869,016	262,455	-128.54	1 U	8.81	Deleted
MW-302M1	7/9/2004	869,005	262,415	-129.08	1 U	8.48	Deleted
MW-302M1	11/15/2004	868,992	262,373	-129.17	1 U	8.13	Deleted
MW-302M1	9/19/2006	868,930	262,157	-130.67	1 U	6.28	Deleted
MW-302M1	9/9/2008	868,836	261,886	-131.12	1 U	4.31	Deleted
MW-302M1	9/2/2010	868,746	261,621	-129.89	0.0124 J	2.33	Deleted
MW-302M1	7/19/2012	868,666	261,379	-127.68	0.02 J	0.45	Deleted
MW-302M2	9/9/2008	869,380	262,226	-60.01	1 U	4.31	Deleted
MW-302M2	8/11/2009	869,108	262,026	-56.53	1 U	3.39	Deleted
MW-302M2	9/2/2010	868,937	261,753	-36.06	0.0405 J	2.33	Deleted
MW-302M2	9/9/2011	868,800	261,504	-26.16	0.028 J	1.31	Deleted
MW-302M2	7/19/2012	868,729	261,404	-19.60	0.028 J	0.45	Deleted
MW-305	1/12/2004	869,657	261,254	-99.51	1 U	8.97	Deleted
MW-305	1/12/2004	869,573	261,037	-106.74	1 U	8.97	Deleted
MW-305	1/12/2004	869,581	261,028	-117.29	1 U	8.97	Deleted
MW-305	1/12/2004	869,611	261,091	-127.23	1 U	8.97	Deleted
MW-305	1/12/2004	869,803	262,073	-131.17	1 U	8.97	Deleted

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-305	1/12/2004	869,780	261,969	-143.99	1 U	8.97	Deleted
MW-305	1/13/2004	869,747	261,895	-157.67	1 U	8.97	Deleted
MW-305	1/13/2004	869,588	260,979	-160.46	1 U	8.97	Deleted
MW-305M1	8/25/2010	869,675	261,436	-39.10	0.245	2.35	Deleted
MW-305M1	9/13/2011	869,618	261,177	-34.12	0.183	1.30	Deleted
MW-305M1	6/25/2012	869,584	261,004	-31.81	0.201	0.52	Deleted
MW-313M1	9/7/2010	870,114	264,010	-65.76	0.083	2.32	Deleted
MW-313M1	2/15/2011	870,141	263,863	-77.30	0.078	1.88	Deleted
MW-313M1	9/13/2011	870,115	263,707	-78.83	0.09	1.30	Deleted
MW-313M1	2/15/2012	870,085	263,589	-79.20	0.076	0.88	Deleted
MW-313M1	7/12/2012	870,058	263,491	-75.28	0.063	0.47	Deleted
MW-313M3	6/29/2004	870,824	266,198	-59.86	1 U	8.51	Deleted
MW-313M3	9/13/2011	870,135	263,930	-27.32	0.022 J	1.30	Deleted
MW-313M3	2/15/2012	870,121	263,722	-18.33	0.022 J	0.88	Deleted
MW-313M3	7/12/2012	870,082	263,555	-15.10	0.022 J	0.47	Deleted
MW-318	3/1/2004	871,489	266,630	-11.30	1 U	8.84	Deleted
MW-318	3/1/2004	871,476	266,575	-18.13	1 U	8.84	Deleted
MW-318	3/1/2004	871,462	266,511	-25.84	1 U	8.84	Deleted
MW-318	3/2/2004	871,445	266,442	-33.33	1 U	8.83	Deleted
MW-318	3/2/2004	871,427	266,361	-41.45	1 U	8.83	Deleted
MW-318	3/2/2004	871,407	266,285	-49.64	1 U	8.83	Deleted
MW-318	3/3/2004	871,349	266,072	-68.70	1 U	8.83	Deleted
MW-318	3/3/2004	871,306	265,938	-78.26	1 U	8.83	Deleted
MW-318	3/3/2004	871,272	265,800	-84.74	1 U	8.83	Deleted
MW-318	3/3/2004	871,241	265,595	-89.73	1 U	8.83	Deleted
MW-318	3/3/2004	870,559	263,237	-63.34	1 U	8.83	Deleted
MW-318	3/3/2004	870,557	263,237	-72.19	1 U	8.83	Deleted
MW-318	3/3/2004	870,831	264,562	-87.95	1 U	8.83	Deleted
MW-318	3/3/2004	871,089	265,148	-103.64	1 U	8.83	Deleted
MW-318	3/3/2004	871,038	265,040	-113.09	1 U	8.83	Deleted
MW-318	3/4/2004	870,977	264,895	-116.54	1 U	8.83	Deleted
MW-318	3/5/2004	870,931	264,778	-131.53	1 U	8.83	Deleted
MW-318	3/8/2004	870,533	263,131	-127.04	1 U	8.82	Deleted
MW-318	3/8/2004	870,894	264,650	-141.08	1 U	8.82	Deleted
MW-318	3/8/2004	870,872	264,568	-151.85	1 U	8.82	Deleted
MW-318	3/8/2004	870,855	264,497	-158.39	1 U	8.82	Deleted
MW-318M1	5/10/2004	870,533	263,131	-127.04	1 U	8.64	Deleted
MW-318M1	9/16/2004	870,545	263,184	-127.62	1 U	8.29	Deleted
MW-318M1	2/17/2005	870,546	263,189	-127.63	1 U	7.87	Deleted
MW-318M1	9/21/2006	870,532	263,128	-127.11	1 U	6.28	Deleted
MW-318M1	10/3/2007	870,531	263,127	-126.58	1 U	5.25	Deleted
MW-318M1	9/17/2008	870,531	263,125	-126.08	1 U	4.29	Deleted
MW-318M1	8/10/2009	870,531	263,124	-125.62	1 UJ	3.39	Deleted
MW-318M1	9/7/2010	870,531	263,123	-125.07	0.0324 J	2.32	Deleted
MW-318M1	9/12/2011	870,530	263,121	-125.35	0.024 J	1.30	Deleted
MW-318M1	7/26/2012	870,530	263,120	-124.91	0.023 J	0.43	Deleted
MW-318M2	6/10/2004	871,277	265,845	-78.59	1 U	8.56	Deleted
MW-318M2	9/16/2004	871,250	265,753	-77.46	1 U	8.29	Deleted
MW-318M2	2/17/2005	871,224	265,648	-70.26	1 U	7.87	Deleted
MW-318M2	12/6/2005	871,158	265,402	-52.13	1 U	7.07	Deleted
MW-318M2	3/13/2006	871,119	265,306	-52.85	1 U	6.80	Deleted
MW-318M2	9/21/2006	870,987	265,000	-73.11	1 U	6.28	Deleted
MW-318M2	3/21/2007	870,935	264,868	-73.11	1 U	5.78	Deleted
MW-318M2	10/3/2007	870,888	264,723	-72.62	1 U	5.25	Deleted
MW-318M2	3/6/2008	870,854	264,608	-72.36	1 U	4.82	Deleted
MW-318M2	9/17/2008	870,817	264,466	-71.48	1 UJ	4.29	Deleted
MW-318M2	2/11/2009	870,791	264,361	-70.07	1 U	3.89	Deleted
MW-318M2	8/10/2009	870,761	264,232	-66.91	0	3.39	Deleted
MW-318M2	9/7/2010	870,704	263,946	-52.78	0.0344 J	2.32	Deleted
MW-318M2	9/12/2011	870,626	263,580	-40.02	0.021 J	1.30	Deleted
MW-318M2	7/26/2012	870,554	263,258	-36.01	0.012 J	0.43	Deleted
MW-318S	5/10/2004	871,468	266,562	-7.49	1 U	8.64	Deleted
MW-318S	9/16/2004	871,421	266,401	-6.71	1 U	8.29	Deleted
MW-318S	2/17/2005	871,366	266,223	-4.73	1 U	7.87	Deleted
MW-322	3/12/2004	871,038	262,793	-4.56	1 U	8.81	Deleted
MW-322	3/15/2004	871,025	262,762	-10.42	1 U	8.80	Deleted
MW-322	3/15/2004	871,012	262,728	-16.49	1 U	8.80	Deleted
MW-322	3/15/2004	870,997	262,690	-22.51	1 U	8.80	Deleted
MW-322	3/15/2004	870,981	262,650	-28.78	1 U	8.80	Deleted
MW-322	3/15/2004	870,964	262,606	-35.27	1 U	8.80	Deleted
MW-322	3/16/2004	870,946	262,552	-42.10	1 U	8.79	Deleted
MW-322	3/16/2004	870,930	262,474	-57.26	1 U	8.79	Deleted

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-322	3/18/2004	870,644	261,761	-102.08	0.53 J	8.79	Deleted
MW-322	3/18/2004	870,630	261,710	-107.97	0.53 J	8.79	Deleted
MW-322	3/18/2004	870,618	261,658	-114.37	0.53 J	8.79	Deleted
MW-322	3/18/2004	870,289	260,687	-120.98	0.53 J	8.79	Deleted
MW-322	3/18/2004	870,273	260,642	-128.66	0.53 J	8.79	Deleted
MW-322	3/19/2004	870,256	260,572	-137.67	1 U	8.79	Deleted
MW-322	3/19/2004	870,256	260,571	-147.94	1 U	8.79	Deleted
MW-322	3/22/2004	870,257	260,570	-153.69	1 U	8.78	Deleted
MW-322M1	2/14/2011	870,284	260,853	-91.78	0.076	1.88	Deleted
MW-322M1	9/13/2011	870,270	260,759	-88.71	0.105	1.30	Deleted
MW-322M1	2/15/2012	870,263	260,692	-84.85	0.091	0.88	Deleted
MW-322M1	7/12/2012	870,258	260,630	-79.16	0.08	0.47	Deleted
MW-322S	5/11/2004	871,025	262,774	-0.13	1 U	8.64	Deleted
MW-322S	10/20/2004	870,973	262,688	2.21	1 U	8.20	Deleted
MW-322S	2/23/2005	870,932	262,628	3.66	1 U	7.85	Deleted
MW-322S	11/4/2005	870,838	262,528	4.95	1 U	7.16	Deleted
MW-322S	1/18/2006	870,799	262,507	4.76	1 U	6.95	Deleted
MW-327	4/8/2004	871,422	269,959	-36.51	1 U	8.73	Deleted
MW-327	4/9/2004	871,374	269,887	-44.51	1 U	8.73	Deleted
MW-327	4/9/2004	871,323	269,812	-51.26	1 U	8.73	Deleted
MW-327	4/9/2004	871,272	269,738	-56.51	1 U	8.73	Deleted
MW-327	4/9/2004	871,230	269,667	-60.60	1 U	8.73	Deleted
MW-327	4/9/2004	871,202	269,591	-63.62	1 U	8.73	Deleted
MW-327	4/12/2004	871,194	269,531	-66.86	1 U	8.72	Deleted
MW-327	4/12/2004	871,209	269,490	-71.57	1 U	8.72	Deleted
MW-327	4/13/2004	871,213	269,432	-77.47	1 U	8.72	Deleted
MW-327	4/13/2004	871,224	269,324	-85.40	1 U	8.72	Deleted
MW-327	4/13/2004	871,222	269,161	-94.19	1 U	8.72	Deleted
MW-327	4/14/2004	871,243	268,423	-114.09	1.5 J	8.72	Deleted
MW-327	4/14/2004	870,740	265,654	-66.21	1.5 J	8.72	Deleted
MW-327	4/14/2004	870,735	265,664	-78.98	1.5 J	8.72	Deleted
MW-327	4/15/2004	871,208	268,741	-116.77	1 U	8.71	Deleted
MW-327	4/15/2004	870,731	265,665	-96.16	1 U	8.71	Deleted
MW-327	4/15/2004	870,729	265,664	-104.81	1 U	8.71	Deleted
MW-327	4/16/2004	870,729	265,659	-114.90	1 U	8.71	Deleted
MW-327	4/16/2004	871,219	268,278	-133.83	1 U	8.71	Deleted
MW-327	4/19/2004	871,228	268,092	-138.68	1 U	8.70	Deleted
MW-327	4/19/2004	871,218	267,904	-129.92	1 U	8.70	Deleted
MW-327	4/19/2004	871,190	267,384	-134.91	1 U	8.70	Deleted
MW-327M1	6/23/2004	871,218	268,211	-133.13	1 U	8.52	Deleted
MW-327M1	10/21/2004	871,221	268,100	-126.92	1 U	8.20	Deleted
MW-327M1	2/14/2005	871,226	267,944	-117.94	1 U	7.88	Deleted
MW-327M1	9/14/2006	871,111	267,252	-105.72	1 U	6.30	Deleted
MW-327M1	9/26/2007	871,034	266,894	-102.71	1 U	5.27	Deleted
MW-327M1	9/23/2008	870,964	266,582	-102.59	1 U	4.27	Deleted
MW-327M1	8/4/2009	870,902	266,325	-109.38	1 U	3.41	Deleted
MW-327M1	9/8/2010	870,828	266,056	-115.94	0.05 U	2.31	Deleted
MW-327M1	9/8/2011	870,778	265,830	-125.74	0.05 U	1.32	Deleted
MW-327M1	7/11/2012	870,716	265,617	-125.75	0.05 U	0.47	Deleted
MW-327M2	6/24/2004	870,730	265,662	-96.14	1 U	8.52	Deleted
MW-327M2	10/21/2004	870,728	265,655	-95.08	1 U	8.20	Deleted
MW-327M2	2/14/2005	870,726	265,649	-95.33	1 U	7.88	Deleted
MW-327M2	9/14/2006	870,718	265,618	-95.39	1 U	6.30	Deleted
MW-327M2	9/26/2007	870,712	265,598	-95.63	1 U	5.27	Deleted
MW-327M2	9/23/2008	870,706	265,579	-95.74	1 U	4.27	Deleted
MW-327M2	8/7/2009	870,702	265,563	-95.67	1 U	3.40	Deleted
MW-327M2	9/10/2010	870,696	265,542	-95.15	0.135	2.31	Deleted
MW-327M2	9/8/2011	870,690	265,524	-94.96	0.718	1.32	Deleted
MW-327M2	7/11/2012	870,685	265,508	-95.07	0.688	0.47	Deleted
MW-327M3	6/24/2004	871,222	268,935	-103.15	1 U	8.52	Deleted
MW-327M3	10/21/2004	871,211	268,821	-102.88	1 U	8.20	Deleted
MW-327M3	2/14/2005	871,221	268,702	-105.89	1 U	7.88	Deleted
MW-327M3	11/4/2005	871,243	268,386	-108.82	1 U	7.16	Deleted
MW-327M3	2/3/2006	871,244	268,276	-107.44	1 U	6.91	Deleted
MW-327M3	3/9/2006	871,244	268,235	-106.92	1 U	6.82	Deleted
MW-327M3	9/14/2006	871,236	267,990	-98.19	1 U	6.30	Deleted
MW-327M3	3/20/2007	871,204	267,718	-86.43	1 U	5.79	Deleted
MW-327M3	9/26/2007	871,163	267,470	-78.61	1 U	5.27	Deleted
MW-327M3	3/10/2008	871,127	267,272	-77.81	1 UJ	4.81	Deleted
MW-327M3	9/23/2008	871,081	267,046	-74.16	1 U	4.27	Deleted
MW-327M3	2/10/2009	871,048	266,891	-72.57	1 U	3.89	Deleted
MW-327M3	8/7/2009	871,005	266,699	-72.29	1 U	3.40	Deleted

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-327M3	2/10/2010	870,959	266,502	-72.76	0.0465 J	2.89	Deleted
MW-327M3	9/10/2010	870,908	266,294	-75.45	0.0427 J	2.31	Deleted
MW-327M3	2/14/2011	870,873	266,154	-76.12	0.043 J	1.88	Deleted
MW-327M3	9/8/2011	870,826	266,002	-68.46	0.041 J	1.32	Deleted
MW-327M3	2/15/2012	870,777	265,842	-54.87	0.041 J	0.88	Deleted
MW-327M3	7/12/2012	870,736	265,686	-53.05	0.043 J	0.47	Deleted
MW-330	4/26/2004	872,125	271,761	-33.01	1 U	8.68	Deleted
MW-330	4/26/2004	872,093	271,659	-41.32	1 U	8.68	Deleted
MW-330	4/26/2004	872,062	271,571	-49.25	1 U	8.68	Deleted
MW-330	4/27/2004	872,032	271,487	-56.34	1 U	8.68	Deleted
MW-330	4/28/2004	871,977	271,312	-70.40	1 U	8.68	Deleted
MW-330	4/28/2004	871,952	271,231	-76.95	1 U	8.68	Deleted
MW-330	5/3/2004	871,926	271,133	-83.31	1 U	8.66	Deleted
MW-330	5/3/2004	871,903	271,040	-89.82	1 U	8.66	Deleted
MW-330	5/3/2004	871,881	270,953	-96.24	1 U	8.66	Deleted
MW-330	5/3/2004	871,852	270,831	-102.95	1 U	8.66	Deleted
MW-330	5/3/2004	871,813	270,673	-109.10	1 U	8.66	Deleted
MW-330	5/3/2004	871,773	270,506	-115.45	1 U	8.66	Deleted
MW-330	5/3/2004	871,736	270,353	-121.22	1 U	8.66	Deleted
MW-330	5/4/2004	871,697	270,193	-127.98	1 U	8.66	Deleted
MW-330	5/4/2004	871,641	269,975	-134.83	1 U	8.66	Deleted
MW-330	5/4/2004	871,604	269,807	-138.07	1 U	8.66	Deleted
MW-330	5/5/2004	871,516	269,445	-143.88	1 U	8.66	Deleted
MW-330	5/5/2004	871,358	267,855	-145.78	1 U	8.66	Deleted
MW-330	5/5/2004	871,246	266,945	-151.37	1 U	8.66	Deleted
MW-330M1	6/23/2004	871,391	268,004	-149.49	1 U	8.52	Deleted
MW-330M1	10/18/2004	871,398	267,959	-146.30	1 U	8.20	Deleted
MW-330M1	2/15/2005	871,405	267,920	-142.26	1 U	7.87	Deleted
MW-330M2	6/23/2004	871,820	270,710	-104.50	1 U	8.52	Deleted
MW-330M2	10/18/2004	871,773	270,530	-104.17	1 U	8.20	Deleted
MW-330M2	2/15/2005	871,726	270,351	-103.41	1 U	7.87	Deleted
MW-330M2	2/3/2006	871,608	269,862	-102.16	1 U	6.91	Deleted
MW-330M2	9/21/2006	871,544	269,568	-101.44	1 U	6.28	Deleted
MW-330M2	10/9/2007	871,466	269,119	-100.10	1 U	5.23	Deleted
MW-330M2	11/7/2007	871,605	269,640	22.12	0.2 U	5.15	Deleted
MW-330M2	11/7/2007	871,605	269,640	22.12	0.2 U	5.15	Deleted
MW-330M2	9/29/2008	871,441	268,721	-100.70	1 UJ	4.26	Deleted
MW-330M2	8/5/2009	871,438	268,358	-99.01	1 U	3.41	Deleted
MW-330M2	9/2/2010	871,396	267,843	-84.71	0.05 U	2.33	Deleted
MW-330M2	9/13/2011	871,314	267,318	-62.46	0.05 U	1.30	Deleted
MW-330M2	7/11/2012	871,244	266,939	-57.82	0.05 U	0.47	Deleted
MW-330M3	6/23/2004	872,029	271,449	-48.09	1 U	8.52	Deleted
MW-330M3	10/18/2004	871,965	271,215	-46.63	1 U	8.20	Deleted
MW-330M3	2/15/2005	871,905	270,988	-44.61	1 U	7.87	Deleted
MW-331M1	7/8/2004	868,356	261,718	-70.47	1 U	8.48	Deleted
MW-331M1	11/4/2004	868,354	261,709	-70.47	1 U	8.16	Deleted
MW-331M1	4/7/2005	868,350	261,698	-70.48	0.35 J	7.74	Deleted
MW-331M1	6/16/2005	868,349	261,693	-70.49	1 U	7.54	Deleted
MW-331M1	11/22/2005	868,345	261,681	-70.51	0.54 J	7.11	Deleted
MW-331M1	1/18/2006	868,344	261,676	-70.49	1 U	6.95	Deleted
MW-331M1	9/19/2006	868,338	261,658	-70.44	0.49 J	6.28	Deleted
MW-331M1	10/18/2007	868,331	261,630	-69.09	1 U	5.21	Deleted
MW-331M1	9/17/2008	868,325	261,605	-67.69	1 U	4.29	Deleted
MW-331M1	8/5/2009	868,320	261,581	-66.34	1 U	3.41	Deleted
MW-331M1	8/30/2010	868,315	261,552	-64.53	0.0221 J	2.34	Deleted
MW-331M1	9/7/2011	868,311	261,526	-62.95	0.076	1.32	Deleted
MW-331M1	7/19/2012	868,307	261,503	-61.24	0.031 J	0.45	Deleted
MW-331M2	7/8/2004	869,042	263,527	-48.36	1 U	8.48	Deleted
MW-331M2	11/4/2004	869,026	263,466	-47.26	1 U	8.16	Deleted
MW-331M2	4/7/2005	869,003	263,392	-46.42	1 U	7.74	Deleted
MW-331M2	6/17/2005	868,991	263,359	-46.22	1 U	7.54	Deleted
MW-331M2	11/22/2005	868,958	263,288	-47.31	1 U	7.11	Deleted
MW-331M2	1/18/2006	868,941	263,260	-48.37	1 U	6.95	Deleted
MW-331M2	3/9/2006	868,922	263,232	-49.95	1 U	6.82	Deleted
MW-331M2	9/19/2006	868,817	263,097	-56.20	1 U	6.28	Deleted
MW-331M2	3/21/2007	868,773	262,981	-52.07	1 U	5.78	Deleted
MW-331M2	10/18/2007	868,717	262,846	-50.80	1 U	5.21	Deleted
MW-331M2	3/6/2008	868,678	262,757	-50.27	1 U	4.82	Deleted
MW-331M2	9/17/2008	868,625	262,632	-49.79	1 U	4.29	Deleted
MW-331M2	2/11/2009	868,587	262,538	-49.47	1 UJ	3.89	Deleted
MW-331M2	8/5/2009	868,545	262,425	-48.57	1 U	3.41	Deleted
MW-331M2	8/30/2010	868,437	262,162	-43.41	0.0089 J	2.34	Deleted

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-331M2	9/7/2011	868,351	261,887	-42.18	0.016 J	1.32	Deleted
MW-331M2	7/19/2012	868,305	261,621	-37.96	0.042 J	0.45	Deleted
MW-337	6/22/2004	870,897	268,609	-103.97	1 U	8.53	Deleted
MW-337	6/23/2004	870,877	268,511	-117.68	1 U	8.52	Deleted
MW-337	6/23/2004	870,851	268,066	-130.82	1 U	8.52	Deleted
MW-337	6/25/2004	870,845	267,653	-109.64	1 U	8.52	Deleted
MW-337	6/28/2004	870,636	267,035	-112.88	1 U	8.51	Deleted
MW-337	6/28/2004	870,164	265,461	-108.78	1 U	8.51	Deleted
MW-337	6/28/2004	870,218	265,443	-123.88	1 U	8.51	Deleted
MW-337	6/28/2004	870,766	266,932	-127.47	1 U	8.51	Deleted
MW-337D	9/30/2004	870,762	267,062	-114.14	1 U	8.25	Deleted
MW-337D	2/16/2005	870,736	266,972	-114.37	1 U	7.87	Deleted
MW-337D	6/16/2005	870,711	266,871	-113.40	1 U	7.54	Deleted
MW-337M1	9/30/2004	870,891	268,551	-107.43	1 U	8.25	Deleted
MW-337M1	2/16/2005	870,879	268,376	-114.50	1 U	7.87	Deleted
MW-337M1	6/16/2005	870,864	268,239	-114.50	1 U	7.54	Deleted
MW-337M1	2/3/2006	870,854	267,911	-97.88	1 U	6.91	Deleted
MW-337M1	3/9/2006	870,845	267,852	-95.97	1 U	6.82	Deleted
MW-337M1	9/21/2006	870,785	267,542	-86.60	1 U	6.28	Deleted
MW-337M1	3/21/2007	870,736	267,331	-84.27	1 U	5.78	Deleted
MW-337M1	10/4/2007	870,684	267,114	-82.13	1 UJ	5.24	Deleted
MW-337M1	3/7/2008	870,645	266,951	-81.71	1 U	4.82	Deleted
MW-337M1	9/11/2008	870,598	266,760	-80.30	1 U	4.30	Deleted
MW-337M1	2/10/2009	870,559	266,611	-79.40	1 U	3.89	Deleted
MW-337M1	8/12/2009	870,512	266,436	-78.91	1 U	3.39	Deleted
MW-337M1	2/10/2010	870,462	266,264	-77.75	0.062	2.89	Deleted
MW-337M1	9/2/2010	870,401	266,078	-74.49	0.109	2.33	Deleted
MW-337M1	2/14/2011	870,340	265,933	-68.05	0.138	1.88	Deleted
MW-337M1	9/13/2011	870,256	265,722	-52.58	0.138	1.30	Deleted
MW-337M1	2/13/2012	870,205	265,553	-50.60	0.162	0.88	Deleted
MW-337M1	6/27/2012	870,169	265,410	-54.32	0.152	0.51	Deleted
MW-340	7/8/2004	871,225	270,120	-93.95	1 U	8.48	Deleted
MW-340	7/9/2004	871,087	269,517	-118.62	1 U	8.48	Deleted
MW-340	7/9/2004	870,770	267,588	-124.51	1 U	8.48	Deleted
MW-340	7/9/2004	870,635	267,264	-143.31	1 U	8.48	Deleted
MW-340	7/9/2004	870,645	267,245	-144.00	1 U	8.48	Deleted
MW-340	7/12/2004	870,649	267,227	-152.14	1 U	8.47	Deleted
MW-340D	12/21/2004	870,648	267,209	-147.97	1 U	8.03	Deleted
MW-340D	4/18/2005	870,647	267,197	-147.58	1 U	7.71	Deleted
MW-340D	8/16/2005	870,647	267,184	-147.51	1 U	7.38	Deleted
MW-340M1	9/8/2010	870,862	268,063	-89.84	0.0138 J	2.31	Deleted
MW-340M1	9/14/2011	870,771	267,510	-68.88	0.015 J	1.30	Deleted
MW-340M1	6/26/2012	870,684	267,147	-62.65	0.015 J	0.52	Deleted
MW-340M2	9/8/2010	870,888	268,217	-55.14	0.0298 J	2.31	Deleted
MW-340M2	9/14/2011	870,796	267,613	-32.80	0.013 J	1.30	Deleted
MW-340M2	6/26/2012	870,695	267,188	-25.05	0.023 J	0.52	Deleted
MW-345	8/5/2004	872,315	271,194	-24.76	1 U	8.41	Deleted
MW-345	8/5/2004	872,299	271,119	-31.88	1 U	8.41	Deleted
MW-345	8/5/2004	872,284	271,051	-39.02	1 U	8.41	Deleted
MW-345	8/5/2004	872,271	270,989	-46.31	1 U	8.41	Deleted
MW-345	8/9/2004	872,254	270,917	-53.51	1 U	8.40	Deleted
MW-345	8/9/2004	872,238	270,844	-60.59	1 U	8.40	Deleted
MW-345	8/9/2004	872,221	270,769	-67.85	1 U	8.40	Deleted
MW-345	8/9/2004	872,203	270,691	-75.14	1 U	8.40	Deleted
MW-345	8/9/2004	872,186	270,616	-82.31	1 U	8.40	Deleted
MW-345	8/9/2004	872,144	270,430	-96.81	1 U	8.40	Deleted
MW-345	8/9/2004	872,114	270,298	-104.05	1 U	8.40	Deleted
MW-345	8/10/2004	872,079	270,131	-110.49	1 U	8.39	Deleted
MW-345	8/10/2004	872,050	270,000	-117.69	1 U	8.39	Deleted
MW-345	8/10/2004	872,016	269,832	-124.02	1 U	8.39	Deleted
MW-345	8/10/2004	871,988	269,700	-131.33	1 U	8.39	Deleted
MW-345	8/10/2004	871,967	269,590	-137.61	1 U	8.39	Deleted
MW-345	8/10/2004	871,937	269,388	-145.45	1 U	8.39	Deleted
MW-345	8/10/2004	871,916	269,042	-154.10	1 U	8.39	Deleted
MW-345	8/10/2004	871,594	266,793	-142.35	1 U	8.39	Deleted
MW-345	8/10/2004	871,593	266,782	-152.28	1 U	8.39	Deleted
MW-345M1	9/29/2004	871,917	269,155	-149.47	1 U	8.26	Deleted
MW-345M1	2/17/2005	871,898	269,010	-152.06	1 U	7.87	Deleted
MW-345M1	6/16/2005	871,884	268,910	-151.62	1 U	7.54	Deleted
MW-345M2	9/29/2004	872,118	270,314	-97.75	1 U	8.26	Deleted
MW-345M2	2/17/2005	872,074	270,104	-97.06	1 U	7.87	Deleted
MW-345M2	6/16/2005	872,039	269,935	-96.36	1 U	7.54	Deleted

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-345M2	9/14/2006	871,927	269,323	-94.87	1 U	6.30	Deleted
MW-345M2	10/9/2007	871,863	268,843	-93.21	1 U	5.23	Deleted
MW-345M2	9/29/2008	871,824	268,421	-92.90	1 UJ	4.26	Deleted
MW-345M2	8/13/2009	871,788	268,050	-88.09	1 U	3.38	Deleted
MW-345M2	9/2/2010	871,728	267,597	-78.13	0.0152 J	2.33	Deleted
MW-345M2	9/12/2011	871,657	267,148	-60.69	0.05 U	1.30	Deleted
MW-345M2	7/11/2012	871,589	266,790	-56.05	0.018 J	0.47	Deleted
MW-48M1	8/20/2002	872,959	272,431	-80.82	1 U	10.37	Deleted
MW-48M1	3/24/2004	872,868	271,154	-77.61	1 UJ	8.77	Deleted
MW-48M1	6/9/2004	872,847	271,010	-76.83	1 UJ	8.56	Deleted
MW-48M3	8/20/2002	872,381	273,181	14.16	1 U	10.37	Deleted
MW-48M3	3/24/2004	872,914	271,627	-37.26	1 UJ	8.77	Deleted
MW-48M3	6/11/2004	872,896	271,453	-35.59	1 UJ	8.56	Deleted
MW-519	1/7/2009	867,586	262,876	-13.40	1 U	3.98	Deleted
MW-519	1/8/2009	867,582	262,853	-20.97	1 U	3.98	Deleted
MW-519	1/8/2009	867,579	262,832	-28.57	1 U	3.98	Deleted
MW-519	1/8/2009	867,575	262,809	-36.25	1 U	3.98	Deleted
MW-519	1/8/2009	867,571	262,784	-43.98	1 U	3.98	Deleted
MW-519	1/8/2009	867,478	262,019	-50.47	1 U	3.98	Deleted
MW-519	1/9/2009	867,481	262,006	-60.28	1 U	3.98	Deleted
MW-519	1/9/2009	867,482	261,998	-70.13	1 U	3.98	Deleted
MW-519	1/13/2009	867,482	261,988	-79.91	1 U	3.97	Deleted
MW-519	1/14/2009	867,483	261,982	-89.69	1 U	3.96	Deleted
MW-519	1/14/2009	867,483	261,972	-99.40	1 U	3.96	Deleted
MW-519	1/14/2009	867,483	261,968	-109.18	1 U	3.96	Deleted
MW-519	1/14/2009	867,483	261,964	-118.97	1 U	3.96	Deleted
MW-519	1/15/2009	867,482	261,959	-128.80	1 U	3.96	Deleted
MW-519	1/15/2009	867,480	261,953	-138.66	1 U	3.96	Deleted
MW-519M1	2/5/2009	867,572	262,790	-36.50	1 U	3.90	Deleted
MW-519M1	6/10/2009	867,558	262,709	-35.86	0.21	3.56	Deleted
MW-519M1	9/18/2009	867,548	262,645	-35.42	0.21	3.29	Deleted
MW-54D	8/15/2000	870,655	272,262	-127.10	5 UJ	12.38	Deleted
MW-54D	7/31/2001	870,357	271,778	-125.58	5 U	11.42	Deleted
MW-54D	9/3/2002	870,083	271,278	-123.69	1 U	10.33	Deleted
MW-54D	11/21/2003	869,828	270,777	-123.17	1 UJ	9.11	Deleted
MW-54D	9/30/2004	869,669	270,453	-123.09	1 UJ	8.25	Deleted
MW-54D	10/3/2005	869,496	270,098	-123.54	1 U	7.25	Deleted
MW-54M1	9/3/2002	871,303	273,087	-83.74	1 U	10.33	Deleted
MW-54M1	11/20/2003	870,697	272,301	-80.11	1 UJ	9.12	Deleted
MW-54M1	9/30/2004	870,389	271,805	-76.11	1 UJ	8.25	Deleted
MW-54M1	10/3/2005	870,102	271,281	-71.89	1 U	7.25	Deleted
MW-54S	9/10/2003	871,365	273,096	-40.33	1 U	9.31	Deleted
MW-55D	8/15/2000	870,826	271,578	-119.48	5 UJ	12.38	Deleted
MW-55D	7/31/2001	870,595	271,086	-118.82	5 U	11.42	Deleted
MW-55D	10/8/2002	870,361	270,543	-118.39	1 U	10.23	Deleted
MW-55D	9/3/2003	870,215	270,172	-117.80	1 U	9.33	Deleted
MW-55D	9/30/2004	870,066	269,758	-117.02	1 UJ	8.25	Deleted
MW-55D	8/10/2005	869,954	269,435	-115.89	1 U	7.39	Deleted
MW-55M1	10/8/2002	871,533	272,807	-97.43	1 U	10.23	Deleted
MW-55M1	9/3/2003	871,127	272,154	-96.97	1 U	9.33	Deleted
MW-55M1	8/19/2004	870,818	271,561	-94.10	1 UJ	8.37	Deleted
MW-55M1	8/10/2005	870,573	271,034	-91.78	1 U	7.39	Deleted
MW-55M2	9/3/2002	871,991	273,349	-49.40	1 U	10.33	Deleted
MW-55M2	9/3/2003	871,329	272,510	-76.82	1 U	9.33	Deleted
MW-55M2	8/19/2004	870,951	271,846	-73.37	1 UJ	8.37	Deleted
MW-55M2	8/10/2005	870,669	271,270	-69.16	1 U	7.39	Deleted
MW-55M3	9/4/2003	871,565	272,872	-49.25	1 U	9.33	Deleted
MW-55M3	8/19/2004	871,081	272,121	-47.48	1 UJ	8.37	Deleted
MW-55M3	8/10/2005	870,752	271,488	-41.09	1 U	7.39	Deleted
MW-63D	8/25/2000	870,782	268,914	-157.97	5 UJ	12.35	Deleted
MW-63D	8/28/2001	870,688	268,618	-163.58	5 U	11.34	Deleted
MW-63D	10/7/2002	870,592	268,287	-168.13	1 U	10.23	Deleted
MW-63D	9/4/2003	870,534	268,085	-168.73	1 U	9.33	Deleted
MW-63D	10/5/2004	870,474	267,951	-167.43	1 U	8.24	Deleted
MW-63D	7/26/2005	870,431	267,896	-165.07	1 U	7.43	Deleted
MW-63M1	9/16/2011	870,563	268,233	-63.73	0.022 J	1.29	Deleted
MW-63M1	6/26/2012	870,474	267,803	-46.25	0.025 J	0.52	Deleted
MW-63M2	9/16/2011	870,578	268,243	-30.14	0.019 J	1.29	Deleted
MW-63M2	6/26/2012	870,480	267,812	-15.69	0.024 J	0.52	Deleted
MW-63S	10/8/2004	871,777	272,016	-36.56	1 UJ	8.23	Deleted
MW-63S	7/27/2005	871,549	271,393	-31.67	1 U	7.43	Deleted
USCGANTST	5/15/2002	872,428	264,853	-54.32	1 U	10.63	Deleted

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
USCGANTST	7/29/2002	872,410	264,782	-53.60	1 U	10.43	Deleted
USCGANTST	10/31/2002	872,388	264,694	-52.82	1 U	10.17	Deleted
USCGANTST	1/30/2003	872,366	264,610	-52.11	1 U	9.92	Deleted
USCGANTST	4/30/2003	872,345	264,527	-51.27	1 U	9.67	Deleted
USCGANTST	7/29/2003	872,324	264,446	-50.58	1 U	9.43	Deleted
USCGANTST	12/2/2003	872,294	264,333	-49.35	1 U	9.08	Deleted
USCGANTST	2/19/2004	872,275	264,263	-48.50	1 U	8.87	Deleted
USCGANTST	5/4/2004	872,257	264,198	-47.59	1 U	8.66	Deleted
USCGANTST	7/13/2004	872,241	264,137	-46.83	1 U	8.47	Deleted
USCGANTST	10/21/2004	872,218	264,051	-45.64	1 UJ	8.20	Deleted
USCGANTST	1/18/2005	872,197	263,976	-44.53	1 U	7.95	Deleted
USCGANTST	5/20/2005	872,168	263,872	-43.00	1 U	7.62	Deleted
USCGANTST	7/20/2005	872,154	263,821	-42.20	1 U	7.45	Deleted
USCGANTST	11/2/2005	872,129	263,733	-40.85	1 U	7.16	Deleted
USCGANTST	1/18/2006	872,111	263,670	-39.93	1 U	6.95	Deleted
XXRW1	8/6/2002	874,794	274,862	-86.15	1 U	10.40	Deleted
XXRW1	3/31/2004	874,693	273,712	-89.47	1 U	8.75	Deleted
XXRW1	10/14/2004	874,697	273,330	-88.06	1 U	8.21	Deleted
XXSDW261160	8/1/2002	876,117	269,571	-164.27	0.86 J	10.42	Deleted
XXSDW261160	10/18/2002	876,107	269,486	-164.22	0.67 J	10.20	Deleted
XXSDW261160	3/11/2003	876,089	269,331	-165.00	1 U	9.81	Deleted
XXSDW261160	6/30/2003	876,075	269,213	-164.93	1 U	9.51	Deleted
XXSDW261160	5/17/2004	876,036	268,885	-165.58	1 U	8.63	Deleted
XXSDW261160	6/25/2004	876,032	268,846	-165.56	1 U	8.52	Deleted
XXSDW261160	9/2/2004	876,023	268,778	-166.36	1 U	8.33	Deleted
XXSDW261160	3/4/2005	875,999	268,604	-166.24	1 U	7.83	Deleted
XXSDW261160	6/20/2005	875,984	268,503	-166.17	1 UJ	7.53	Deleted
XXSDW261160	11/28/2005	875,960	268,356	-166.95	1 U	7.09	Deleted
XXSDW261160	2/23/2006	875,947	268,278	-166.61	1 U	6.85	Deleted
XXSDW263111	9/19/2000	867,632	278,999	-116.28	5 UJ	12.28	Deleted
XXSDW263111	8/1/2002	867,632	278,994	-114.27	1 UJ	10.42	Deleted
XXSDW263111	5/13/2004	867,632	278,970	-112.09	1 U	8.64	Deleted
XXSDW263111	1/5/2005	867,631	278,945	-111.22	1 U	7.99	Deleted
C6-B	4/12/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
C7-A	5/4/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
C7-A	7/21/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
C7-A	7/22/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
C7-A	7/22/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
C7-A	7/22/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
C7-B	4/9/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
C7-B	7/23/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
C7-B	7/23/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
C7-B	7/26/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
C7-B	7/26/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
C7-C	7/27/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2EW0001	10/3/2007	N/A	N/A	N/A	15.1	N/A	Predicted Extraction/Removal
J2EW0001	3/5/2008	N/A	N/A	N/A	13.6	N/A	Predicted Extraction/Removal
J2EW0001	9/10/2008	N/A	N/A	N/A	16.7	N/A	Predicted Extraction/Removal
J2EW0001	2/10/2009	N/A	N/A	N/A	17.5	N/A	Predicted Extraction/Removal
J2EW0001	8/3/2009	N/A	N/A	N/A	17.3	N/A	Predicted Extraction/Removal
J2EW0001	8/3/2009	N/A	N/A	N/A	17.3	N/A	Predicted Extraction/Removal
J2EW0001	2/9/2010	N/A	N/A	N/A	20.7	N/A	Predicted Extraction/Removal
J2EW0001	8/30/2010	N/A	N/A	N/A	18.9	N/A	Predicted Extraction/Removal
J2EW0001	2/14/2011	N/A	N/A	N/A	17.9	N/A	Predicted Extraction/Removal
J2EW0001	9/7/2011	N/A	N/A	N/A	16.3	N/A	Predicted Extraction/Removal
J2EW0001	2/13/2012	N/A	N/A	N/A	15.9	N/A	Predicted Extraction/Removal
J2EW0001	6/27/2012	N/A	N/A	N/A	15.2	N/A	Predicted Extraction/Removal
J2EW0002	10/3/2007	N/A	N/A	N/A	4.62	N/A	Predicted Extraction/Removal
J2EW0002	3/5/2008	N/A	N/A	N/A	4.25	N/A	Predicted Extraction/Removal
J2EW0002	9/10/2008	N/A	N/A	N/A	3.07	N/A	Predicted Extraction/Removal
J2EW0002	2/10/2009	N/A	N/A	N/A	3	N/A	Predicted Extraction/Removal
J2EW0002	8/3/2009	N/A	N/A	N/A	2.66	N/A	Predicted Extraction/Removal
J2EW0002	2/9/2010	N/A	N/A	N/A	3.02	N/A	Predicted Extraction/Removal
J2EW0002	8/30/2010	N/A	N/A	N/A	3.18	N/A	Predicted Extraction/Removal
J2EW0002	2/14/2011	N/A	N/A	N/A	2.92	N/A	Predicted Extraction/Removal
J2EW0002	9/7/2011	N/A	N/A	N/A	2.97	N/A	Predicted Extraction/Removal
J2EW0002	2/13/2012	N/A	N/A	N/A	2.77	N/A	Predicted Extraction/Removal
J2EW0002	6/27/2012	N/A	N/A	N/A	3.17	N/A	Predicted Extraction/Removal
J2EW0003	10/3/2007	N/A	N/A	N/A	1.25	N/A	Predicted Extraction/Removal
J2EW0003	3/5/2008	N/A	N/A	N/A	1.1	N/A	Predicted Extraction/Removal
J2EW0003	9/10/2008	N/A	N/A	N/A	1.03	N/A	Predicted Extraction/Removal
J2EW0003	2/10/2009	N/A	N/A	N/A	0.799 J	N/A	Predicted Extraction/Removal

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
J2EW0003	8/3/2009	N/A	N/A	N/A	0.657 J	N/A	Predicted Extraction/Removal
J2EW0003	2/9/2010	N/A	N/A	N/A	0.991	N/A	Predicted Extraction/Removal
J2EW0003	8/30/2010	N/A	N/A	N/A	1.09	N/A	Predicted Extraction/Removal
J2EW0003	2/14/2011	N/A	N/A	N/A	1.16	N/A	Predicted Extraction/Removal
J2EW0003	9/7/2011	N/A	N/A	N/A	1.2	N/A	Predicted Extraction/Removal
J2EW0003	2/13/2012	N/A	N/A	N/A	1.3	N/A	Predicted Extraction/Removal
J2EW0003	6/27/2012	N/A	N/A	N/A	1.33	N/A	Predicted Extraction/Removal
J2EW1-MW1-B	10/17/2007	N/A	N/A	N/A	140	N/A	Predicted Extraction/Removal
J2EW1-MW1-B	10/7/2008	N/A	N/A	N/A	6.22	N/A	Predicted Extraction/Removal
J2EW1-MW1-B	8/4/2009	N/A	N/A	N/A	7.01	N/A	Predicted Extraction/Removal
J2EW1-MW1-B	9/8/2010	N/A	N/A	N/A	0.22	N/A	Predicted Extraction/Removal
J2EW1-MW1-B	4/1/2011	N/A	N/A	N/A	9	N/A	Predicted Extraction/Removal
J2EW1-MW1-B	9/12/2011	N/A	N/A	N/A	6.26	N/A	Predicted Extraction/Removal
J2EW1-MW1-C	10/16/2007	N/A	N/A	N/A	1.81	N/A	Predicted Extraction/Removal
J2EW1-MW1-C	10/7/2008	N/A	N/A	N/A	8.23	N/A	Predicted Extraction/Removal
J2EW1-MW1-C	8/4/2009	N/A	N/A	N/A	13.9	N/A	Predicted Extraction/Removal
J2EW1-MW1-C	9/8/2010	N/A	N/A	N/A	179	N/A	Predicted Extraction/Removal
J2EW1-MW1-C	4/1/2011	N/A	N/A	N/A	198	N/A	Predicted Extraction/Removal
J2EW1-MW1-C	9/12/2011	N/A	N/A	N/A	153	N/A	Predicted Extraction/Removal
J2EW2-MW2-B	10/16/2007	N/A	N/A	N/A	13.6	N/A	Predicted Extraction/Removal
J2EW2-MW2-B	10/7/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2EW2-MW2-B	8/6/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2EW2-MW2-B	8/31/2010	N/A	N/A	N/A	0.0292 J	N/A	Predicted Extraction/Removal
J2EW2-MW2-B	9/9/2011	N/A	N/A	N/A	0.025 J	N/A	Predicted Extraction/Removal
J2EW2-MW2-B	6/27/2012	N/A	N/A	N/A	0.031 J	N/A	Predicted Extraction/Removal
J2EW2-MW2-C	10/17/2007	N/A	N/A	N/A	1 UJ	N/A	Predicted Extraction/Removal
J2EW2-MW2-C	10/7/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2EW2-MW2-C	8/6/2009	N/A	N/A	N/A	1 UJ	N/A	Predicted Extraction/Removal
J2EW2-MW2-C	8/30/2010	N/A	N/A	N/A	0.062	N/A	Predicted Extraction/Removal
J2EW2-MW2-C	9/9/2011	N/A	N/A	N/A	0.308	N/A	Predicted Extraction/Removal
J2EW2-MW2-C	6/27/2012	N/A	N/A	N/A	0.094	N/A	Predicted Extraction/Removal
J2EW2-MW3-A	10/17/2007	N/A	N/A	N/A	1 UJ	N/A	Predicted Extraction/Removal
J2EW2-MW3-B	10/12/2007	N/A	N/A	N/A	9.46	N/A	Predicted Extraction/Removal
J2EW2-MW3-B	10/6/2008	N/A	N/A	N/A	19.7	N/A	Predicted Extraction/Removal
J2EW2-MW3-B	8/7/2009	N/A	N/A	N/A	14.5	N/A	Predicted Extraction/Removal
J2EW2-MW3-B	8/7/2009	N/A	N/A	N/A	14.5	N/A	Predicted Extraction/Removal
J2EW2-MW3-B	9/7/2010	N/A	N/A	N/A	21.7	N/A	Predicted Extraction/Removal
J2EW2-MW3-C	10/12/2007	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2EW2-MW3-C	10/2/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2EW2-MW3-C	8/7/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
J2EW3-MW1-B	10/4/2011	N/A	N/A	N/A	0.034 J	N/A	Predicted Extraction/Removal
J2EW3-MW1-B	7/17/2012	N/A	N/A	N/A	0.02 J	N/A	Predicted Extraction/Removal
J2EW3-MW1-C	10/4/2011	N/A	N/A	N/A	0.05 U	N/A	Predicted Extraction/Removal
J2EW3-MW1-C	7/17/2012	N/A	N/A	N/A	0.017 J	N/A	Predicted Extraction/Removal
LRMW0003	9/20/2000	N/A	N/A	N/A	5 UJ	N/A	Predicted Extraction/Removal
LRMW0003	9/19/2001	N/A	N/A	N/A	5 U	N/A	Predicted Extraction/Removal
LRMW0003	9/10/2002	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
LRMW0003	9/10/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
LRMW0003	10/13/2004	N/A	N/A	N/A	1 UJ	N/A	Predicted Extraction/Removal
MW-289	8/14/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-289	8/14/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-289	8/14/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-289	8/14/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-289	8/15/2003	N/A	N/A	N/A	170	N/A	Predicted Extraction/Removal
MW-289	8/15/2003	N/A	N/A	N/A	170	N/A	Predicted Extraction/Removal
MW-289	8/15/2003	N/A	N/A	N/A	170	N/A	Predicted Extraction/Removal
MW-289M2	9/18/2003	N/A	N/A	N/A	140	N/A	Predicted Extraction/Removal
MW-289M2	3/31/2004	N/A	N/A	N/A	110	N/A	Predicted Extraction/Removal
MW-289M2	7/29/2004	N/A	N/A	N/A	63	N/A	Predicted Extraction/Removal
MW-289S	9/17/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-289S	3/31/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-289S	7/29/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-289S	2/17/2005	N/A	N/A	N/A	1 UJ	N/A	Predicted Extraction/Removal
MW-289S	5/31/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-292	9/4/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-292	9/4/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-292	9/4/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-292	9/4/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-293M2	2/26/2004	N/A	N/A	N/A	44	N/A	Predicted Extraction/Removal
MW-293M2	7/15/2004	N/A	N/A	N/A	43	N/A	Predicted Extraction/Removal

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-293M2	11/19/2004	N/A	N/A	N/A	52	N/A	Predicted Extraction/Removal
MW-293M2	11/4/2005	N/A	N/A	N/A	35.3	N/A	Predicted Extraction/Removal
MW-293M2	1/18/2006	N/A	N/A	N/A	41.1	N/A	Predicted Extraction/Removal
MW-293M2	9/18/2006	N/A	N/A	N/A	28.9	N/A	Predicted Extraction/Removal
MW-293M2	10/1/2007	N/A	N/A	N/A	8.38 J	N/A	Predicted Extraction/Removal
MW-293M2	9/25/2008	N/A	N/A	N/A	6.55	N/A	Predicted Extraction/Removal
MW-300	11/25/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-300	11/25/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-300	11/26/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-300	11/26/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-300	11/26/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-300	11/26/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-300	12/1/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-300	12/1/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-300	12/1/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-300	12/2/2003	N/A	N/A	N/A	4.3	N/A	Predicted Extraction/Removal
MW-300	12/2/2003	N/A	N/A	N/A	4.3	N/A	Predicted Extraction/Removal
MW-300	12/2/2003	N/A	N/A	N/A	4.3	N/A	Predicted Extraction/Removal
MW-300	12/2/2003	N/A	N/A	N/A	4.3	N/A	Predicted Extraction/Removal
MW-300M2	3/3/2004	N/A	N/A	N/A	51	N/A	Predicted Extraction/Removal
MW-300M2	7/7/2004	N/A	N/A	N/A	41	N/A	Predicted Extraction/Removal
MW-300M2	11/4/2004	N/A	N/A	N/A	57	N/A	Predicted Extraction/Removal
MW-300M2	6/13/2005	N/A	N/A	N/A	74	N/A	Predicted Extraction/Removal
MW-300M2	10/11/2005	N/A	N/A	N/A	85.2	N/A	Predicted Extraction/Removal
MW-300M2	1/30/2006	N/A	N/A	N/A	115	N/A	Predicted Extraction/Removal
MW-300M2	9/25/2006	N/A	N/A	N/A	113	N/A	Predicted Extraction/Removal
MW-300M2	10/10/2007	N/A	N/A	N/A	60.8 J	N/A	Predicted Extraction/Removal
MW-300M2	9/9/2008	N/A	N/A	N/A	3.48	N/A	Predicted Extraction/Removal
MW-300M3	3/3/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-300M3	7/6/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-300M3	11/4/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-300M3	6/13/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-300M3	10/11/2005	N/A	N/A	N/A	1 UJ	N/A	Predicted Extraction/Removal
MW-300M3	1/30/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-300M3	9/25/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-300M3	10/9/2007	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-300M3	9/9/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-300M3	8/18/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-302M2	2/3/2006	N/A	N/A	N/A	17.1	N/A	Predicted Extraction/Removal
MW-302M2	9/19/2006	N/A	N/A	N/A	15	N/A	Predicted Extraction/Removal
MW-302M2	10/3/2007	N/A	N/A	N/A	0.659 J	N/A	Predicted Extraction/Removal
MW-305	1/6/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-305	1/6/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-305	1/7/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-305	1/7/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-305	1/7/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-305	1/8/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-305	1/8/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-305	1/8/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-305	1/8/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-305	1/8/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-305	1/9/2004	N/A	N/A	N/A	1.4	N/A	Predicted Extraction/Removal
MW-305	1/9/2004	N/A	N/A	N/A	1.4	N/A	Predicted Extraction/Removal
MW-305	1/9/2004	N/A	N/A	N/A	1.4	N/A	Predicted Extraction/Removal
MW-305	1/12/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-305M1	3/9/2004	N/A	N/A	N/A	36	N/A	Predicted Extraction/Removal
MW-305M1	7/6/2004	N/A	N/A	N/A	34	N/A	Predicted Extraction/Removal
MW-305M1	11/3/2004	N/A	N/A	N/A	34	N/A	Predicted Extraction/Removal
MW-305M1	6/17/2005	N/A	N/A	N/A	26	N/A	Predicted Extraction/Removal
MW-305M1	11/4/2005	N/A	N/A	N/A	24.9	N/A	Predicted Extraction/Removal
MW-305M1	1/18/2006	N/A	N/A	N/A	27.3	N/A	Predicted Extraction/Removal
MW-305M1	10/2/2006	N/A	N/A	N/A	21.7	N/A	Predicted Extraction/Removal
MW-305M1	9/27/2007	N/A	N/A	N/A	10.7	N/A	Predicted Extraction/Removal
MW-313M1	6/28/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M1	10/25/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M1	2/22/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M1	10/27/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M1	2/2/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M1	3/13/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M1	9/20/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M1	3/20/2007	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M1	10/5/2007	N/A	N/A	N/A	1 UJ	N/A	Predicted Extraction/Removal

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-313M1	3/7/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M1	9/12/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M1	2/12/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M1	8/8/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M1	2/12/2010	N/A	N/A	N/A	0.05	N/A	Predicted Extraction/Removal
MW-313M2	10/25/2004	N/A	N/A	N/A	9.1	N/A	Predicted Extraction/Removal
MW-313M2	2/23/2005	N/A	N/A	N/A	7.7	N/A	Predicted Extraction/Removal
MW-313M2	10/27/2005	N/A	N/A	N/A	3.5	N/A	Predicted Extraction/Removal
MW-313M2	2/3/2006	N/A	N/A	N/A	4.1	N/A	Predicted Extraction/Removal
MW-313M2	3/8/2006	N/A	N/A	N/A	5	N/A	Predicted Extraction/Removal
MW-313M2	9/21/2006	N/A	N/A	N/A	7.5	N/A	Predicted Extraction/Removal
MW-313M2	3/20/2007	N/A	N/A	N/A	3.92	N/A	Predicted Extraction/Removal
MW-313M2	10/5/2007	N/A	N/A	N/A	5.72 J	N/A	Predicted Extraction/Removal
MW-313M2	3/7/2008	N/A	N/A	N/A	3.82	N/A	Predicted Extraction/Removal
MW-313M2	9/12/2008	N/A	N/A	N/A	8.53	N/A	Predicted Extraction/Removal
MW-313M2	2/12/2009	N/A	N/A	N/A	7.46	N/A	Predicted Extraction/Removal
MW-313M2	8/8/2009	N/A	N/A	N/A	5.54	N/A	Predicted Extraction/Removal
MW-313M2	8/8/2009	N/A	N/A	N/A	5.54	N/A	Predicted Extraction/Removal
MW-313M2	2/12/2010	N/A	N/A	N/A	5.9	N/A	Predicted Extraction/Removal
MW-313M2	9/7/2010	N/A	N/A	N/A	6.14	N/A	Predicted Extraction/Removal
MW-313M2	2/15/2011	N/A	N/A	N/A	5.49	N/A	Predicted Extraction/Removal
MW-313M3	10/25/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M3	2/23/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M3	10/27/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M3	2/3/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M3	3/8/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M3	9/20/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M3	3/20/2007	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M3	10/5/2007	N/A	N/A	N/A	1 UJ	N/A	Predicted Extraction/Removal
MW-313M3	3/7/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M3	9/12/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M3	2/12/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M3	8/8/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-313M3	2/12/2010	N/A	N/A	N/A	0.0267 J	N/A	Predicted Extraction/Removal
MW-313M3	9/7/2010	N/A	N/A	N/A	0.0348 J	N/A	Predicted Extraction/Removal
MW-313M3	2/15/2011	N/A	N/A	N/A	0.023 J	N/A	Predicted Extraction/Removal
MW-337	6/18/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-337	6/18/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-337	6/18/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-337	6/18/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-337	6/21/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-337	6/21/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-337	6/21/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-337	6/21/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-337	6/21/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-337	6/21/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-337	6/21/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340	7/7/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340	7/7/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340	7/7/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340	7/7/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340	7/8/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340	7/8/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340	7/8/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340	7/8/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340	7/8/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340	7/8/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340	7/8/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340	7/8/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340M1	12/21/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340M1	4/18/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340M1	8/16/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340M1	1/30/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340M1	9/14/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340M1	10/18/2007	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340M1	10/8/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340M1	8/13/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340M2	12/21/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340M2	4/18/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340M2	8/16/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-340M2	1/31/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340M2	9/14/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340M2	10/18/2007	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340M2	10/8/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-340M2	8/13/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-348M2	11/3/2004	N/A	N/A	N/A	38	N/A	Predicted Extraction/Removal
MW-348M2	3/23/2005	N/A	N/A	N/A	61	N/A	Predicted Extraction/Removal
MW-348M2	7/19/2005	N/A	N/A	N/A	51.6	N/A	Predicted Extraction/Removal
MW-348M2	2/2/2006	N/A	N/A	N/A	43	N/A	Predicted Extraction/Removal
MW-348M2	9/27/2006	N/A	N/A	N/A	25	N/A	Predicted Extraction/Removal
MW-348M2	9/27/2007	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-348M2	9/25/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-348M2	8/10/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-348M2	8/31/2010	N/A	N/A	N/A	0.0277 J	N/A	Predicted Extraction/Removal
MW-348M2	9/9/2011	N/A	N/A	N/A	0.151	N/A	Predicted Extraction/Removal
MW-348M2	7/10/2012	N/A	N/A	N/A	0.298	N/A	Predicted Extraction/Removal
MW-54M1	8/15/2000	N/A	N/A	N/A	5 UJ	N/A	Predicted Extraction/Removal
MW-54M1	7/31/2001	N/A	N/A	N/A	5 U	N/A	Predicted Extraction/Removal
MW-54M2	8/16/2000	N/A	N/A	N/A	10 UJ	N/A	Predicted Extraction/Removal
MW-54M2	7/31/2001	N/A	N/A	N/A	5 U	N/A	Predicted Extraction/Removal
MW-54M2	9/5/2002	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-54M2	11/21/2003	N/A	N/A	N/A	1 UJ	N/A	Predicted Extraction/Removal
MW-54M2	9/30/2004	N/A	N/A	N/A	1 UJ	N/A	Predicted Extraction/Removal
MW-54M2	10/3/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-54M3	8/16/2000	N/A	N/A	N/A	5 UJ	N/A	Predicted Extraction/Removal
MW-54M3	8/17/2001	N/A	N/A	N/A	5 U	N/A	Predicted Extraction/Removal
MW-54M3	9/5/2002	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-54M3	11/20/2003	N/A	N/A	N/A	1 UJ	N/A	Predicted Extraction/Removal
MW-54M3	10/1/2004	N/A	N/A	N/A	1 UJ	N/A	Predicted Extraction/Removal
MW-54M3	10/3/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-54S	8/17/2000	N/A	N/A	N/A	5 U	N/A	Predicted Extraction/Removal
MW-55M1	8/16/2000	N/A	N/A	N/A	5 UJ	N/A	Predicted Extraction/Removal
MW-55M1	7/31/2001	N/A	N/A	N/A	5 U	N/A	Predicted Extraction/Removal
MW-55M2	8/15/2000	N/A	N/A	N/A	10 UJ	N/A	Predicted Extraction/Removal
MW-55M2	7/31/2001	N/A	N/A	N/A	5 U	N/A	Predicted Extraction/Removal
MW-55M3	8/15/2000	N/A	N/A	N/A	5 UJ	N/A	Predicted Extraction/Removal
MW-55M3	7/31/2001	N/A	N/A	N/A	5 U	N/A	Predicted Extraction/Removal
MW-55M3	9/3/2002	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-55S	9/11/2000	N/A	N/A	N/A	5 UJ	N/A	Predicted Extraction/Removal
MW-55S	8/6/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-55S	9/4/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63M1	8/24/2000	N/A	N/A	N/A	5 U	N/A	Predicted Extraction/Removal
MW-63M1	8/9/2001	N/A	N/A	N/A	5 U	N/A	Predicted Extraction/Removal
MW-63M1	10/7/2002	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63M1	9/4/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63M1	10/5/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63M1	7/26/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63M1	9/26/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63M1	9/27/2007	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63M1	9/25/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63M1	8/13/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63M1	9/7/2010	N/A	N/A	N/A	0.0274 J	N/A	Predicted Extraction/Removal
MW-63M2	8/25/2000	N/A	N/A	N/A	5 UJ	N/A	Predicted Extraction/Removal
MW-63M2	8/9/2001	N/A	N/A	N/A	5 U	N/A	Predicted Extraction/Removal
MW-63M2	10/9/2002	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63M2	9/4/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63M2	10/5/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63M2	7/26/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63M2	9/26/2006	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63M2	10/2/2007	N/A	N/A	N/A	1 UJ	N/A	Predicted Extraction/Removal
MW-63M2	9/25/2008	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63M2	8/13/2009	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63M2	9/7/2010	N/A	N/A	N/A	0.0207 J	N/A	Predicted Extraction/Removal
MW-63M3	8/28/2000	N/A	N/A	N/A	5 UJ	N/A	Predicted Extraction/Removal
MW-63M3	8/13/2001	N/A	N/A	N/A	5 U	N/A	Predicted Extraction/Removal
MW-63M3	10/3/2002	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63M3	9/3/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63M3	10/1/2004	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63M3	7/27/2005	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal
MW-63S	8/28/2000	N/A	N/A	N/A	5 UJ	N/A	Predicted Extraction/Removal
MW-63S	8/13/2001	N/A	N/A	N/A	5 U	N/A	Predicted Extraction/Removal
MW-63S	9/3/2003	N/A	N/A	N/A	1 U	N/A	Predicted Extraction/Removal

Table 3
J-2 Range Northern 2012 Perchlorate Plume Shell Measured and Migrated Locations

Location	Release Date	Easting (SP NAD27) (feet)	Northing (SP NAD27) (feet)	Elevation (feet msl)	Perchlorate Concentration (ug/L)	Migration Duration (years)	Status
MW-230	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-234	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-263	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-289	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-327	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-340	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-345	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-345	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56D	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56D	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56D	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56D	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56D	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56D	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56D	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56M1	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56M1	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56M1	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56M1	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56M1	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56M2	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56M2	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56M2	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56M2	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56M2	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56M2	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56M3	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56M3	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56M3	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56M3	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56M3	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56S	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56S	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56S	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56S	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
MW-56S	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
XXRW3	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
XXRW3	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
XXRW3	N/A	N/A	N/A	N/A	N/A	N/A	Not Within Model Domain
Notes: <div> <div>U = non-detect</div> <div>J = estimated</div> <div>N/A = not applicable</div> </div> <div> <div>Used = point used to develop plume shell</div> <div>Deleted = point not used to develop plume shell</div> <div>Predicted Extracted/Removed = predicted to have been extracted/removed</div> <div>Not Within Model Domain = outside of model domain and not simulated</div> </div>							